L45C User Guide - English

Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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Device Basics

Tip

Phone Software Upgrades – Updates to your device's software may become available from time to time. Press [home] and tap [apps] > **Software Update.**

Your Device Overview

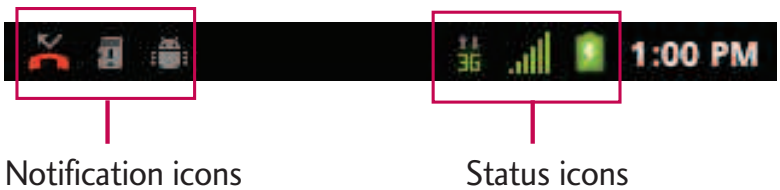
Front View

1. Proximity Sensors sense proximity towards other objects (such as your head) so that touch commands are not accidentally activated during a call.

Note

Please be careful not to cover the sensors with a protective film, pouch, or a protective case not authorized by LG.

2. Status Bar provides information about your device's status and options, such as signal strength, roaming, ringer setting, messaging, and battery charge. The status bar displays icons indicating that you've received notifications (on the left) and icons indicating the device's status (on the right), along with the current time.



3. Phone Key displays the dialpad so you can dial a number. Also provides additional tabs to access **Call log**, **Contacts**, and your **Favorites**.

4. Home Key returns to the Home screen. If you're already viewing one of extension panes, it opens the central Home screen. Press and hold to display recently used applications.

5. Menu Key allows you to access your device's main functions menu: **Add**, **Wallpaper**, **Settings**, **Switch ID**, **Search**, **Manage apps** and **Notifications**. While in a menu, press to open a list of options available.

6. Microphone allows other callers to hear you clearly when you are speaking to them.

7. Back Key returns to the previous screen. Also closes pop-up display items such as menus and dialog boxes.

8. Search Key displays the Quick Search box that can be used to search for a key term both on the device and online. See Using the Search Key on page ___.

- For example, entering the word "Pa" will display any matching entries from your device's Contacts list, installed applications, or will suggest search terms.
- Press and hold to launch Voice Search where you can initiate a Google™ search by verbally entering search terms. The device recognizes your spoken words and initiates a Web search.

9. Browser Key launches the Web Browser.

10. Application Tab opens the Applications screen to view installed applications.

11. Touchscreen displays all the information needed to operate your device, such as the applications, call status, the Contacts list, the date and time, and the signal and battery strength.

12. Earpiece lets you hear the caller and automated prompts.

Rear View

1. Power/Lock Button locks the screen. Press and hold to open the Phone options menu (for the following options): **Silent mode**, **Airplane mode**, and **Power off.**

2. Charger/Accessory Jack allows you to connect the device charger or an optional USB cable (included). CAUTION! Inserting an accessory into the incorrect jack may damage the device.

3. Camera Lens, as part of the built-in camera, lets you take pictures and videos.

4. Camera Button lets you activate the camera and camcorder. Once the Camera function is open, you can access the Video recorder function as well.

5. Back Cover Fingertip Cutout allows you to lift and remove the device's back cover.

6. Volume Buttons allow you to adjust the ringer and media volumes, or to adjust the in-call volume during a call. When you press and hold the volume button, the phone switches to the Sound-off mode.

7. 3.5mm Headset Jack allows you to plug in a headset for convenient, hands-free conversations. CAUTION! Inserting an accessory into the incorrect jack may damage the device.

8. microSD Slot accommodates the pre-installed microSD™ card (expandable up to 32GB).

Note

Insert a microSD card to use the camera and other multimedia features. Multimedia contents will be saved in the microSD card. LG L45C has a microSD™card pre-installed.

Viewing the Display Screen

The Status Bar appears at the top of the screen. It displays icons indicating that you've received notifications (on the left) and icons indicating the device's status (on the right), along with the current time.

If you have more notifications than can fit in the Status bar, a plus icon prompts you to open the Status Bar to view them all. (See Using the Notifications Panel on page 35.) The following list identifies the symbols you'll see on your device's display screen:

	Signal Strength – Shows your current signal strength. (More bars = stronger signal.)
	No Service – Your phone cannot find a usable signal.
	3G Connected – Indicates that 3G data service is available.
	3G In Use – Indicates that 3G data service is incuse.
	1x Data Connected – Indicates that 1x data service is available.

	1x Data Service In Use – Indicates that 1x data service is in use.
	Bluetooth On – Indicates that Bluetooth is on.
	Bluetooth Connected – Indicates that the phone is connected to a Bluetooth device.
	GPS On – Indicates that GPS is on.
	GPS Communicating – Indicates that the device is receiving location data from GPS.
	Roaming – Your phone is roaming.
	Airplane Mode – Indicates that the device is in Airplane Mode.
	Speakerphone On – Indicates that Speakerphone is on.
	No microSD – Indicates that no microSD card is installed.
	Vibrate Mode – Indicates that the ringer volume is set to vibrate and any sounds are silenced.
	Ringer Silenced – Indicates that all sounds are turned off.
	Muted – Indicates that phone microphone is muted.
	Very Low Battery – Indicates that battery is very low.
	Low Battery – Indicates that battery is low.

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	Battery Drained (40%) – Indicates that battery is partially drained.
	Battery Full – Shows your current battery charge level. (Icon shown is fully charged.)
	Battery Charging – Indicates that battery is charging.
	Unknown Battery – Indicates that an unknown battery is inserted.
	Alarm Clock – Alarm Clock.
	New Gmail Message – Indicates a new Gmail message.
	New Text or Multimedia Message – Indicates you have received a new text or multimedia message.
	New Email – Indicates a new Email message.
	Problem With Text Or Multimedia Message Delivery – Indicates a text or multimedia message is undeliverable.
	New Google Talk Message – Indicates you have received a new Google Talk message.
	New Voicemail – Indicates you have received a new voicemail message.
	Upcoming Event – Alerts you to an upcoming event.
	Data Is Syncing – Application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.
	Problem With Sign-In Or Sync – There has been an issue with your connection to the Google server, or you were not properly signed into your account. In order to use Google application or sync features, you must set up and sign into an active Google account.

	Full microSD Card – Indicates that microSD card is full.
	An Open Wi-Fi Network Available – Indicates that an open Wi-Fi network is available.
	USB Connected – The device has detected an active USB connection.
	USB Debugging Connected – The device has detected an active USB connection and is in a USB Debugging mode.
	More Notifications Not Displayed – Indicates that there are more notifications which are not displayed in the status bar.
	Call In Progress – Indicates that a call is in progress.
	Call In Progress Using Bluetooth Headset – Indicates that a call is in progress using the Bluetooth headset.
	Call Being Forwarded – Indicates that a call is being forwarded.
	Call On Hold – Indicates that a call is on hold.
	Missed Call – Indicates that you have missed calls.
	Uploading Data – Indicates that your device is uploading data.
	Downloading Data – Indicates that your device is downloading data.
	Download Finished – Indicates that a download is complete.
	Connected To VPN – Indicates that the device is connected to a Virtual Private Network.

	Disconnected From VPN – Indicates that the device is disconnected from the Virtual Private Network.
	Song Is Playing – Indicates that a song is playing.
	Lock Screen – Indicates that screen is locked.
	Carrier data use threshold approaching or exceeded.
	TTY – Indicates that your phone is operating in TTY mode.

Turning Your Device On and Off

Turn your device on and off and wake-up the screen by using the power/lock button.

Turning Your Device On

- Press and hold .

Once your phone is on, it may display “Searching for Service.” When your phone finds a signal, it enters standby mode – the phone’s idle state. At this point, you are ready to begin making and receiving calls.

Turning Your Device Off

1. Press and hold for two seconds until you see the powering-down animation on the display screen.

2. Press **Power off** and then tap **OK** to power off the device.

Your screen remains blank while your phone is off (unless the battery is charging).

Wake Up the Screen

If you don't use the device for a while, the screen and backlight will shut off to conserve battery power. To wake up the device's screen.

1. Press . Your lock screen will appear. See Your Device's Lock Feature on page 107.

2. Touch and drag the green lock icon to the right. The last screen you were working on opens. (This is the default lock screen.)

Battery and Charger

Warning! Use only LG-approved batteries and chargers with your device. The failure to use a Sprint-approved or LG-approved battery and charger may increase the risk that your phone will overheat, catch fire, or explode, resulting in serious bodily injury, death, or property.

Battery Capacity

Your device is equipped with a Lithium Ion (Li-Ion) battery. It allows you to recharge your battery before it is fully drained. The battery provides up to 5 hours of continuous digital talk time.

When the battery reaches 4% of its capacity, the battery icon blinks. When there are approximately two minutes of talk time left, the device can sound an audible alert and then turn off.

Note

Long backlight settings, searching for service, using vibrate mode, browser use, and other variables may reduce the battery's talk and standby times.

Tip

Watch your device's battery level indicator and charge the battery before it runs out of power.

Installing the Battery

1. Install the battery.

- Remove the battery from its packaging.
- Insert the battery into the opening in the back of the device, making sure the connectors align (see step ❶, in the following illustration). Gently press down to secure the battery (see step ❷, in the following illustration).
- Position the back cover over the battery compartment and press down until you hear a click (see step ❸, in the following illustration).

2. Press and hold located on the top left to turn the device on.

Removing the Battery

1. Make sure the power is turned off so that you don't lose any unsaved items.

2. Lift the back cover using the fingertip cutout located on top of the cover and remove it.

3. Lift the battery using the fingertip cutout and remove it from the device.

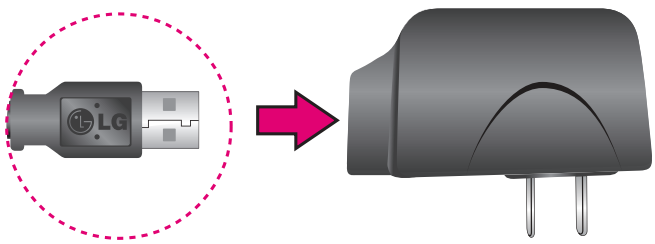
Warning! Do not handle a damaged or leaking Li-Ion battery as you can be burned.

Charging the Battery

Keeping track of your battery's charge is important. If your battery level becomes too low, your device automatically turns off, and you will lose any information you were just working on.

Always use a LG-approved desktop charger, travel charger, or vehicle power adapter to charge your battery.

1. Connect the cableless wall adapter and USB data cable. Connect as shown; the LG logo on the USB cable should face toward you.



2. Plug one end of the USB cable into the device's Charger/Accessories Jack and the other end into an electrical outlet. The charge time varies depending upon the battery level.

With the LG-approved Li-Ion battery, you can recharge the battery before it becomes completely rundown.

Battery Temperature Protection

Though extremely rare, if the battery becomes overheated, the phone will automatically turn off.

Charging with USB

You can use your computer to charge your device. To be able to

charge with the USB cable, you need to install the necessary USB drivers on your computer first. Connect one end of the USB cable to the Charger/Accessory Jack on your device and connect the other end to a USB port on your computer. It is best to use the rear USB port when connecting to a desktop computer. The USB hub should be powered by an external power source (see Note below).

Note

Low-power USB ports are not supported, such as the USB port on your keyboard or bus-powered USB hub.

LG USB Driver is downloadable from the following site: http://www.lg.com/us/mobile-phones/index.jsp > Click **Mobile Support** > Select the Carrier(TracFone) > Select the Model L45C > Click **USB Cable Driver** to download.

Always unplug the charger from the wall socket after the phone is fully charged to save unnecessary power consumption of the charger.

Extending Your Battery Life

You can extend your battery's life between charges by turning off features that run in the background. You can also monitor how applications and system resources consume battery power.

- Reduce your backlight on time. (See Changing the Backlight Time Length on page 102.)

- Turn Bluetooth off when not in use. (See Turning Bluetooth On and Off on page 256.)
- Turn Wi-Fi off when not in use. (See To turn Wi-Fi on and connect to a Wi-Fi network on page 200.)
- Deactivate the GPS when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery. (See Activating Location Mode on page 192.)
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Turn off Automatic application sync. (See Synchronizing on page 179.)
- Use the Power Control Widget to deactivate hardware functions such as Wi-Fi, Bluetooth, GPS, Synchronization, or LCD brightness setting. (See Adding and Removing Widgets on page 55.)
- Check the Running Services and close any unnecessary applications.

  Turn down screen brightness and set a shorter screen timeout. (See Display Settings on page 101.)

If you don't need them to sync, turn off automatic syncing for Gmail, Calendar, Contacts, and other applications. (See Synchronizing Accounts on page 179.)

Use the Power Control widget to check and control the wireless connections, Bluetooth power, GPS connection, syncing activity, and display brightness. (See Adding and Removing Widgets on page 55.)

To check the battery's charge level:

Press > > **Settings** > **About phone** > **Status**.

The battery status (charging, discharging) and level (as a percentage of fully charged) are displayed at the top of the screen.

To monitor and control what uses the battery:

The Battery Use screen shows which applications consume the most battery power. You can also use it to turn off applications that you've downloaded, if they are consuming too much power.

1. Press > > **Settings** > **About phone** > **Battery use**.
2. Tap any of the listed items for more options.
   - **Cell standby** to view battery used by cell radio.

- **Phone idle** to view battery used when phone is idle.
- **Display** to adjust the display settings.

Device Function Keys

The LG L45C comes equipped with four main function keys that can be used on any screen to access added functions.

Menu Key

The **Menu** Key ( ) activates an available menu function for the current screen or application. When on the Home screen, the following menu options are available:

- **Add** ( ) adds one of the following functions to a selected screen. Options include: Shortcuts, Widgets, Folders, and Wallpapers. (See Customizing Your Home Screen on page 52.)
- **Manage apps** ( ) displays the Manage applications screen. You can manage how applications use memory, stop a misbehaving application, or uninstall an application. (See Managing Applications.)
- **Wallpaper** ( ) provides the ability to customize the current screen's wallpaper image. This image can be obtained from

either your Pictures folder or from any of the available images within the device's Wallpaper gallery.

- **Search** ( ) displays the Quick Search box that can be used to search for a key term both on the device and on the Web. (See Using the Search Key on page ___.)

  For example, entering the word "Pa", will display any matching entries from your device's Contacts list, installed applications, or will suggest search terms.

- **Notification** ( ) allows you to expand the Status Bar to provide more detailed information about the current onscreen notification icons. (See Using the Notifications Panel on page 35.)

- **Settings** ( ) provides quick access to the device's settings menu. (See Settings on page ___.)

Working with Menus

There are two Android menu types: Options menus and Context menus.

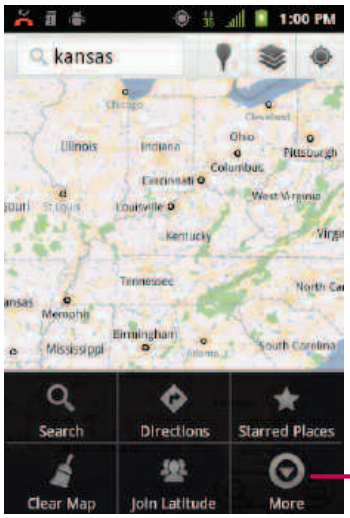
Options menus

Options menus contain tools that apply to the activities of the current screen or application, not to any specific item on the

screen. To open the available options menu, press .

Not all applications have Options menus; if you press on a screen that has no Options menu, nothing will happen.

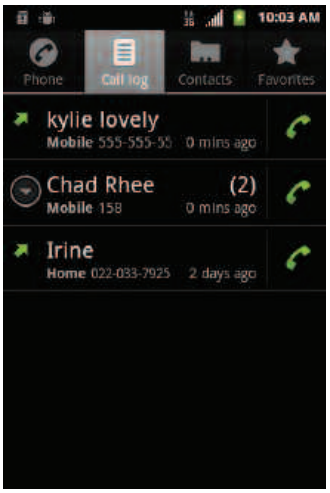
Some applications have more Options menu items than can fit in the options menu; tap **More** to open the additional items.



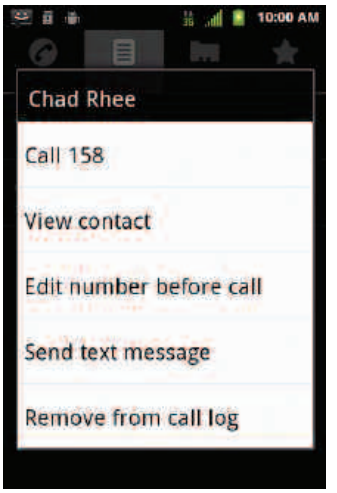
Tap to open more menu items.

Using Context menus

Context menus contain options that apply to a specific item on the screen. To open a Context menu, touch and hold an item on the screen. Not all items have Context menus. If you touch and hold an item that has no Context menu, nothing will happen.



When you touch and hold certain items on a screen, a Context menu opens.



Selecting Menu Items

To select a menu or option, simply tap it. If there are more menus/options than can fit in a screen, slide the screen up to display more menus/options.

For example, to set the phone to play tones when dialing numbers on the dial pad:

1. Press > .
2. Tap **Settings**.
3. Tap **Sound**.
4. Slide the screen up to display more menus.
5. Tap **Audible touch tones** to checkmark it.

For the purposes of this guide, the above steps condense into:

- Press > > **Settings** >**Sound** > **Audible touch tones**.

Backing Up Within a Menu

To go to the previous menu:

- Press .

To return to standby mode:

- Press .

Using the Notifications Panel

Notification icons report the arrival of new messages, calendar events, alarms, as well as ongoing events, such as when you are on a call.

When you receive a notification, text appears briefly and the notification icon will be displayed in the Status Bar. For descriptions of the various notification icons, see Viewing the Display Screen on page 18.

You can open the Notifications Panel to view a list of all recent notifications. Depending on your settings, you may hear a notification sound, and the device may vibrate.

Note
Adjusting sound volume and other general notifications settings is described in Sound Settings on page __.

Applications whose activities produce notifications, such as Gmail™ and Google Talk, have their own settings, which you can use to configure whether, and how, they send notifications. See the sections on those applications for details.

To open the Notifications Panel:

- Touch and drag the Status Bar to the bottom of the screen.

– or –

- Press > > **Notifications**.

The Notifications Panel displays your wireless provider and a list of your current notifications, organized into ongoing and event-based notifications.

To respond to a notification:

1. Open the Notifications Panel. Your current notifications are listed in the panel, each with a brief description.
2. Tap a notification to view it. The Notifications Panel will close and the application that corresponds to your response will open.

For example, new voicemail notifications dial your voicemail box,

and network disconnect notifications open the list of configured networks so you can reconnect.

To clear all notifications:

1. Open the Notifications Panel.
2. Tap at the top right of the panel.

All event-based notifications will be cleared; ongoing notifications will remain in the list.

To close the Notifications Panel:

1. Touch and drag the tab at the bottom of the Notifications Panel to the top of the screen.
2. Press . (The panel will also close when you touch a notification.)

Home Key

The **Home** Key takes you back to your main Homescreen (of the 5 total available screens.)

Back Key

The **Back** Key returns you to the previously active screen. If the onscreen keyboard is currently open, this key closes the keyboard.

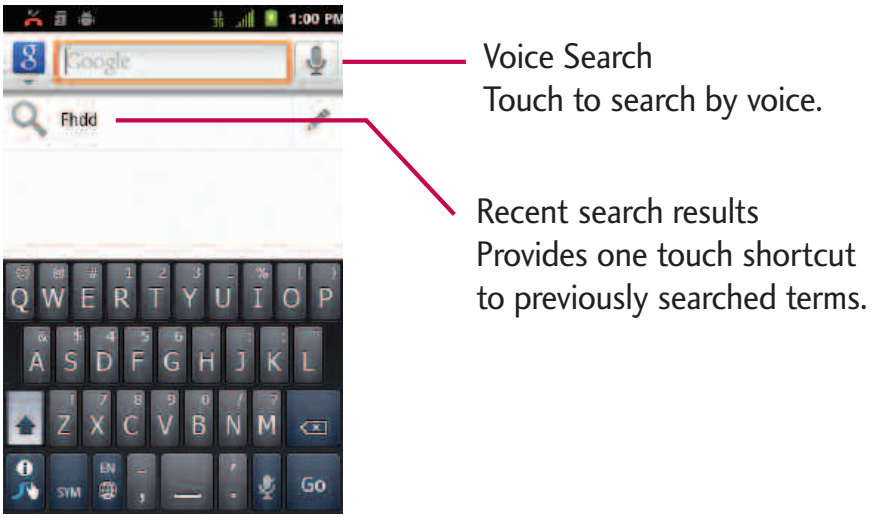
Search Key

The **Search** Key displays the Quick Search Box that can be used to search for a key term both on the device and on the Web. Some applications, such as Contacts, Gmail™, and Google Maps™, have the ability to search contents within those specific applications. Along with being able to search by typing in search terms, you are also able to search by voice.

- Press to launch the Quick Search Box.
- press and hold to launch the Voice Search function.

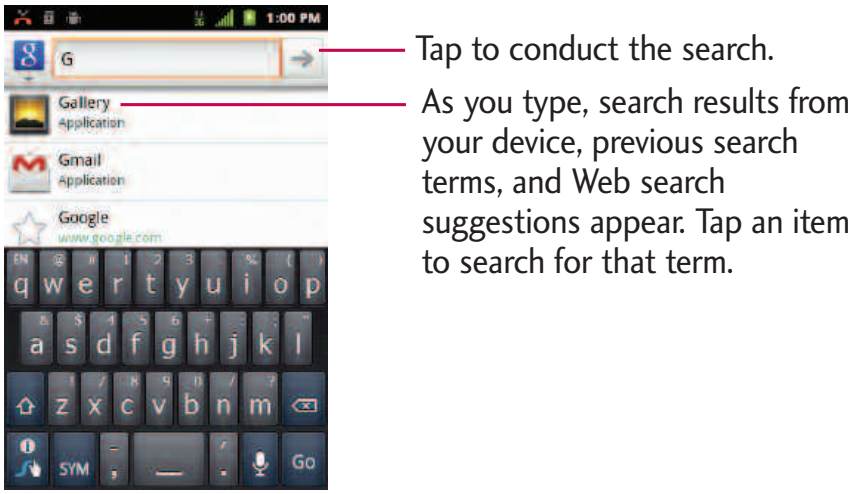
Device and Web Search Using Text Entry

1. Press > . When you press on the Home screen or in the other applications that support this, the Quick Search Box will open automatically.



- In some applications, such as Gmail, Contacts, Browser, and Android Market™, the application's own search box opens when you press . This is indicated by the application's icon on the left side of the search box.

2. Enter the text you're searching for in the Quick Search Box.



- You can use the Search preferences to configure some aspects of Google Web search (for example, whether it makes suggestions below the Quick Search Box as you type), and what device features you want to include in searches. (See Search Settings on page ___.)

3. Tap to search for the entered text.

– or –

If what you want to search for appears in the suggestions list, tap that item to conduct the search.

To search different by type:

- Tap > **All**, **Web**, **Apps**, or **Contacts**.

To search using voice command:

- press and hold .

  – or –

  Tap from the Quick Search Box.

When you stop speaking, Google Search by Voice analyzes your speech and displays the results of your search.

The available Voice Commands are:

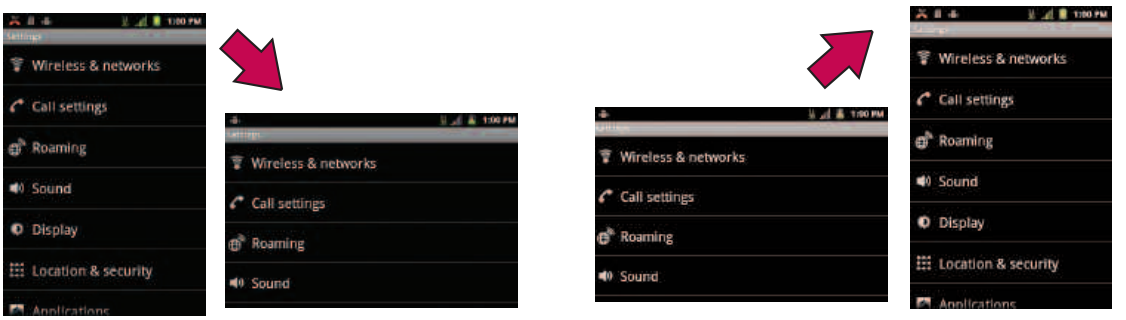
- Say "**Directions to,**" followed by an address, name, business name, type of business, or other destination, to get directions to that location from Google Maps™.
- Say "**Navigate to,**" followed by an address, name, business name, type of business, or other destination to get spoken, turn-by-turn directions to that destination.
- Say "**Map of,**" followed by an address, name, business name, type of business, or other location, to view that location on Google Maps.

Touchscreen Navigation

The L45C is a touch-sensitive device which allows you to not only select an onscreen option with a single touch, but to easily scroll through long lists. Simply slide up and down through the display with your fingertip. Your touchscreen provides an excellent way to interact with and use your Android phone. With the touch of your finger, you can access available applications, make menu selections, and access data saved to your device. The following terms are used for describing the different available actions using the touchscreen:

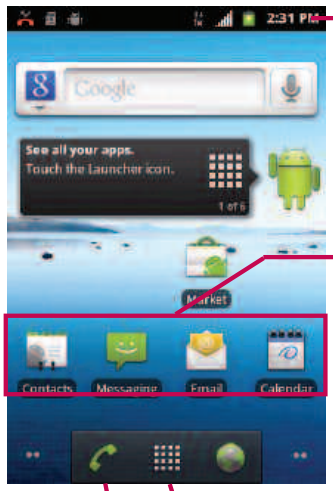
- **Tap**: A single finger tap selects items, links, shortcuts and letters on the on-screen keyboard.
- **Touch and hold**: Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs. For example, to open a contact's available options, touch and hold the contact in the Contacts list until the context menu opens.
- **Drag**: Touch and hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. You can drag items on the Home screen to reposition them, as described in Changing the Device's Wallpaper, or drag the Notification screen open, as described in Using the Notifications Panel.

- **Swipe or slide**: To swipe or slide, quickly move your finger across the surface of the screen, without pausing when you first touch it (so you don't drag an item instead). For example, you can slide the screen up or down to scroll through a list, or browse through the different Home screens by swiping from left to right (and vice versa).
- **Double-tap**: Double-tap to zoom on a Web page or a map. For example, quickly double-tap a section of a Web page to adjust that section to fit the width of the screen. You can also double-tap to zoom in and out when taking a picture (using the Camera), and when using **Maps**.
- **Pinch-to-Zoom**: Use your index finger and thumb in a pinch or spread motion to zoom in or out when using the Browser, Maps, or browsing pictures.
- **Rotate the screen**: From many applications and menus, the orientation of the screen adjusts to the device's physical orientation. (See Changing the Screen Orientation on page 58.)



Your Home Screen

The Home screen is the starting point for many applications and functions, and it allows you to add items like application shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .



Status Bar

Shows device status information including the time, signal strength, battery status, and notification icons.

Application Icons

Touch an icon (application, folder, etc.) to open and use it.

Application Tab

Touch to open the Applications screen to view installed applications.

Call Key

Touch to open the dial pad. Also provides additional tabs to access Call log, Contacts, and your Favorites.

To return to the Home screen:

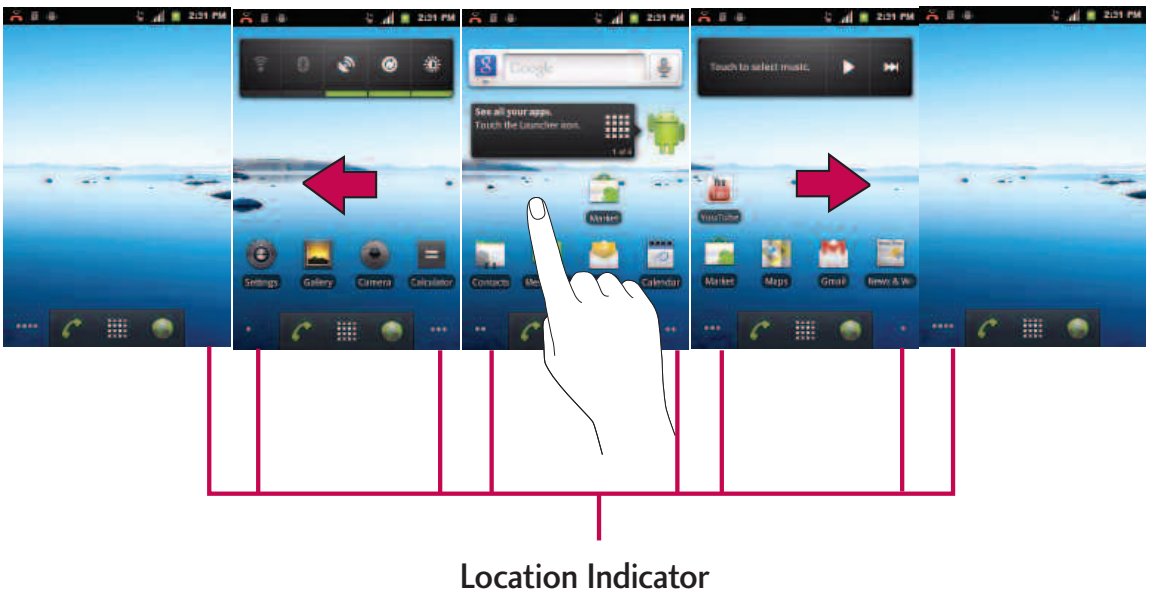
- Tap at any time, from any application.

Extended Home Screens

The operating system provides multiple Home screens to provide more space for adding icons, widgets, and more.

- Slide your finger left or right across the Homescreen. The main screen is in the center with two extension screens on either side of it. (For more information on sliding, see Touchscreen Navigation on page 41.)

Extended Home Screens



Location Indicator

The dots indicate which Home screen you are viewing.

- Touch and hold the Home screen dots on the lower left or right of the screen to view thumbnails of the Extended Home screens, then touch one to go to that specific screen (see the following image).

Home screen thumbnails

Touch one for immediate access.

Using the Application Tab

All of your device's applications are located within the Applications screen. This tab houses shortcuts to your currently available applications. Note: This screen houses all default and downloaded applications (installed from Android Market).

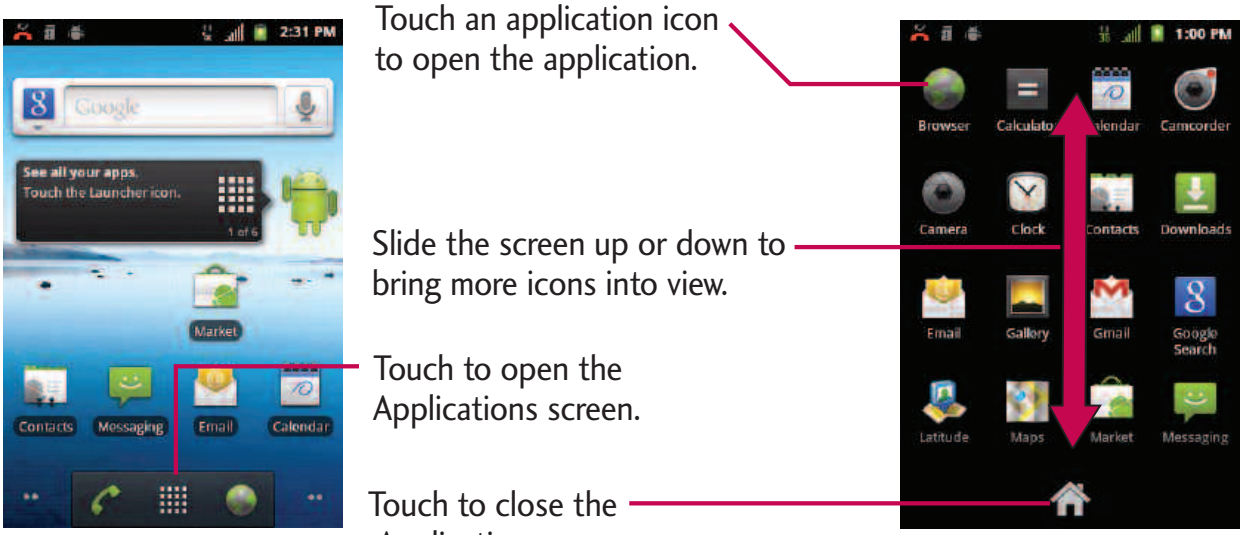
1. Press > to open the screen.
   - To close the Applications screen, press or tap again.
2. Scroll though the list and tap an icon to launch the associated application.

Applications: How to View, Open and Switch

All of the applications on your device, including any applications that you downloaded and installed from Android Market™ or other sources, are grouped together on one Applications screen that you access from your Home screen. If you have more applications than you can currently see on the Applications screen, slide the screen up or down to view more.

The Applications screen contains all of the device's applications (though not downloaded widgets and other downloaded material that isn't an application),including the Alarm Clock, Browser, Calculator, Camera, Market, YouTube, Voice Search, and much more.

Overview



Opening and Closing the Applications

Screen To open the Applications screen:

- Tap .

To close the Applications screen:

- Tap .
- Press .

Note

The Applications screen closes automatically when you tap an icon to open its Application. Dragging an icon onto your Home screen also closes the Applications screen automatically.

Opening and Switching Applications

Multi-tasking is easy with Android™. Opened applications can keep running in the background when you open another application. There's no need to quit an application before opening another. You can easily switch among several open applications. Android manages each application, pausing and starting them as needed to ensure that unused applications don't waste your device's resources.

To open an application:

- Simply tap its icon on the screen.

Note

You can customize your Home screen with shortcuts to the applications you use most often. Applications are located on the Applications screen, but you can add an application shortcut to your Home screen for faster access. No matter where the icon is, on the Applications screen or your Home screen, just touch it to open and use it. See Adding Application Icons to the Homescreen on page 49. for more information.

To open multiple applications:

1. Tap an application icon to open it.
2. Press .
3. Tap and tap the icon for the other application you want to open.

   – or –

   Simply tap the icon if the application you want is already on your Home screen.

To switch between multiple applications:

1. press and hold . A small window opens with icons of applications that you've used recently.
2. Tap the application icon you want to open.

   – or –

Press to return to the current application.

Adding Application Icons to the Home Screen

Customize your Home screen with shortcuts to the applications you use most often.

1. Press > .
2. Touch and hold the application icon you want to add to your Home screen.
3. Lift your finger to place the app on your Homescreen, or drag the icon to where you want it on the screen, then lift your finger.

Applications

The following is a listing of the default applications available on both the Home/Extended screens and the Applications screen.

Application Icons	
	YouTube – Launches the YouTube application.
	Polaris Viewer – Launches the Polaris Viewer application that you can view, create, and edit document files on your device.

Application Icons

	Browser – Launches the Web browser.
	Calculator – Launches the Calculator application.
	Calendar – Launches the Calendar application that can sync to either your Google or Outlook®Work calendar. Events can only be synched to a managed account.
	Camcorder – Launches the Camcorder.
	Camera – Launches the built-in camera.
	Clock - Access the Clock application.
	Contacts – Displays the Contacts that can be synchronized with your device from either your Google or Outlook account. Contacts can only be synched to a managed account.
	Downloads – Launches the Downloads application that you can view, reopen, or delete what you've downloaded.
	Email – Provides access your POP3, IMAP, and Exchange Server (Outlook) email accounts. Also provides access to your Gmail account.
	Gallery – Displays a Gallery of camera images and video saved on your microSD™ card .
	Gmail – Provides access to your Gmail account.
	Google Search – Displays the Quick Search Box to search for a key term both on your device and the Web.
	Latitude – Lets you see your friends' locations and share yours with them. The application also lets you see your friends' locations on a map or in a list.

Application Icons

	Maps – Launches a dynamic map that helps you find local businesses, locate friends, view maps and get driving directions.
	Market – Browse, search for, and download applications on the Android Market.
	Messaging – Provides access to your text messages.
	Music – Launches the built-in Music Player.
	Navigation – Launches the GPS Navigation feature on your phone, allowing you to get quick turn-by-turn directions.
	News & Weather – Launches the application that allows you to stay up to date on news and weather.
	Phone – Accesses the phone keypad.
	Places – Allows others to find your business on local search results using either Google Search or Google Maps.
	Settings – Accesses the device's built-in Settings menu.
	Talk – Launches the Google Talk application that lets you chat with family and friends over the Internet for free.
	Voice Dialer – Launches your device's built-in automatic speech recognition (ASR) software, called Voice Control, to dial a phone number in our Contacts or to launch phone functions .
	Voice Search – Launches your device's built-in speech recognition software and initiates a Google search based on the recognized speech.

Note
The Email application can access both Exchange Server-based email (such as Work email) and other Internet-based email providers such as Yahoo! and Gmail.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- **Creating Shortcuts**
- **Adding Widgets**
- **Creating Contact shortcuts**
- **Creating Folders**
- **Changing the Background (Wallpaper)**

Creating Shortcuts

Shortcuts are different from the Home screen Widgets. Shortcuts can access a specific contact, activate a feature, action, or launch an application.

To add a shortcut from the Application Tab:

1. Press to access the Home screen.

2. Select a location (screen) for your new shortcut by scrolling

across your available screens until you reach the desired one. (See Home Screen Overview on page ___.)

3. Tap to reveal all your current applications. By default, the applications are listed in a Grid view.

4. Scroll down through the list and locate your desired application.

5. Touch and hold the onscreen icon. This creates an immediate shortcut of the selected icon and closes the Applications screen. The new shortcut then appears to hover over the Home screen.

Note

The same shortcut can be added to any of the available screens (Home or Extended). The application you add to the screen will still appear within the Applications screen.

6. While holding the onscreen icon, position it on the current screen. Once complete, release the screen to lock the shortcut into its new position.

To add a shortcut via the Home screen:

1. Press to access the Home screen.

2. Touch and hold on an empty area of the screen.

3. From the **Add to Home screen** window tap Shortcuts.

4. Tap a selection from the list. Default options include:

- **Applications**
- **Bookmark**
- **Contact**
- **Direct dial**
- **Direct message**
- **Directions & Navigation**
- **Gmail label**
- **Latitude**
- **Music playlist**
- **Settings**

5. Follow the onscreen instructions (if necessary) to add the new shortcut to your current Home screen.

To delete a shortcut:

1. Press to activate the Home screen.

2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.

3. Drag the icon over the **Trash** and release it.

Adding and Removing Widgets

Widgets are self-contained applications that can be accessed through your Application Tab or on the Home or Extended screens. Unlike a shortcut, this Widget appears as an onscreen application.

To add a Widget:

1. Press to access the Home screen.

2. Touch and hold on an empty area of the screen.

3. From the Add to Home screen window, tap **Widgets**.

4. Tap an available Widget to place it on your current screen.

- Default widgets include: Analog clock, Calendar, Google Search, Home screen tips, Latitude, Market, Music, News & Weather, Picture frame, Power Control, Rate Places, Traffic and YouTube.

To remove a Widget:

1. Go to the Home screen on which the widget is located.

2. Touch and hold the widget. This unlocks it from its location on the current screen.
3. Drag the widget over the **Trash** and release it.

- This action does not delete the Widget, just removes it from the current screen.

To place a Widget onto a different screen

1. Touch and hold the widget you want to move.
2. Drag the widget to the edge of the screen (the left side if moving to a screen located on the left, right side if moving to a screen located on the right).
3. After about one second, the current screen will change. Repeat until you get to the desired screen.

Creating and Managing Folders

Folders can be located on any of the available screens and can contain multiple Shortcuts or different Contact entries

To create a folder onscreen:

1. Press to activate the Home screen.
2. Touch and hold on an empty area of the screen.

3. From the Add to Home screen window tap **Folders**.

4. Tap an available folder type to place it on your current screen.

   - Choices include **New folder**, **All contacts**, **Contacts with phone numbers**, **Recent document** or **Starred contacts**.

Note
Starred contacts are those Contact entries you have tagged as very important.

Changing the Device's Wallpaper

To change the Home screen wallpaper:

1. From the Home screen, press > **Wallpaper**.

   – or –

   Touch and hold an empty spot on the Home screen, then tap **Wallpapers**.

2. Tap **Gallery**, **Live wallpapers**, or **Wallpapers**.

- **Gallery** to use a picture saved on your device as a wallpaper. You can crop the picture before setting it as a wallpaper.
- **Live wallpapers** to open a list of animated wallpapers installed

on your device. Live wallpapers can be animated or even interactive. More Live wallpapers are available on the Android Market.

- **Wallpapers** to open a screen of wallpaper images saved on your device. Slide the thumbnail images left and right to view the available images.

3. Tap **Set wallpaper** or **Save**.

Accessing Recently-Used Applications

Your device keeps a running list of your eight most recently used applications.

1. press and hold to open the recently-used applications window.

2. Tap an icon to open the related application.

Changing the Screen Orientation

This device is capable of changing the orientation of screen content when the orientation of the device itself has changed. The device's built-in accelerometer senses movement and changes its angle/orientation. Note that some of the screens, applications and widgets do not support orientation changes.

The automatic screen orientation feature can be manually enabled to change the orientation for all enabled screens when rotation is detected.

Note

An example of a screen that automatically re-orients by moving the device is the Messaging screen. This only requires you turn the device on its side.

To manually activate the auto-rotate feature:

1. Press > > **Settings** > **Display**.
2. Tap **Auto-rotate screen** to enable or disable the screen auto-rotation.

Displaying Your Phone Number

Display your phone number and other information about your phone and account.

- Press > > **Settings** > **About phone** > **Status**.

Entering Text With the Onscreen Keyboard

The onscreen keyboard displays automatically when you tap a text entry field. To manually display the keyboard, simply touch a text field where you want to enter text. There are two types of methods that you can use: Android keyboard and Swype.

To select the keyboard:

1. Touch and hold the text entry field and tap **Input method**.
2. Tap the method you want to use between **Android keyboard** and **Swype**.

Android keyboard

Shift Key

Tap once to capitalize the next letter you type. Double-tap for all caps.

Number and Symbols Key

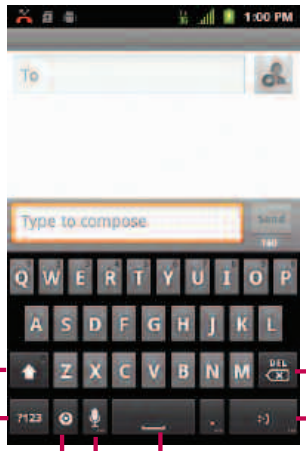
Tap to change input to number and symbol entry.

Number and Symbols Key

Tap to change input to number and symbol entry.

Voice to Text Key

Tap to enter text by voice.



Delete Key

Tap to delete characters to the left of the cursor.

Emoticon Key

Tap to enter various emoticons.

Space Key

Tap to enter space.

Alt Key

Tap to enter additional symbols. The keyboard will change to alternate characters. Touch and hold to lock the alternate characters keyboard layout.

Letters Key

Tap to change input to letters entry.

Settings Key

Tap to change the input method or set various Android keyboard settings.

Delete Key

Tap to delete characters to the left of the cursor.

Emoticon Key

Tap to enter various emoticons.

Space Key

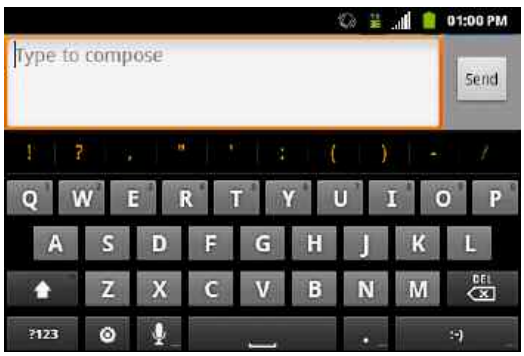
Tap to enter space.

1. Tap a text field where you want to enter text.
2. Enter text.

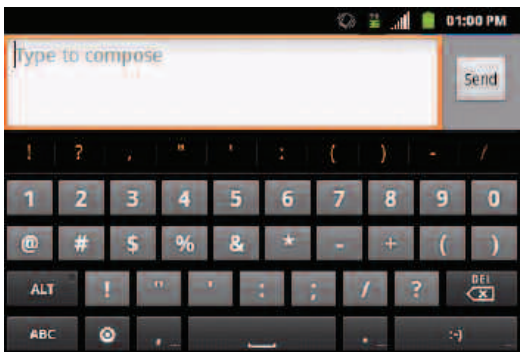
- To enter numbers or symbols, tap ?123 .
- To enter letters again, tap ABC .
- To configure Android keyboard settings, tap > **Android keyboard settings**.
  - **Vibrate on keypress** allows you to activate a vibration sensation as you enter text using the keypad.
  - **Sound on keypress** allows you to activate a sound sensation as you enter text using the keypad.
  - **Popup on keypress** displays the larger image of each key you tap.
  - **Touch to correct words** underlines a word in a text field if you tap the word and the keyboard has suggestions for other words you may have intended.
  - **Auto-capitalization** allows you to automatically capitalize the first letter of a sentence.
  - **Show settings key** allows you to set whether to display the Settings Key or always hide it.

- **Voice input** allows you to set on which onscreen keyboard you want voice-input Microphone key or turn voice input off.
- **Input languages** allows you to select the current text input language. The default language depends on the language set when you first activated the phone.
- **Quick fixes** allows you to correct some common misspellings as you type.
- **Show suggestions** shows you suggested words in a strip above the onscreen keyboard as you type.
- **Auto-complete** allows you to automatically enter a suggested word, highlighted in the strip above the keyboard, when you enter a space or punctuation.

- Rotate the screen to use the larger keyboard.



Letters Entry Keyboard



Numbers and Symbols Etry Keyboard

Note

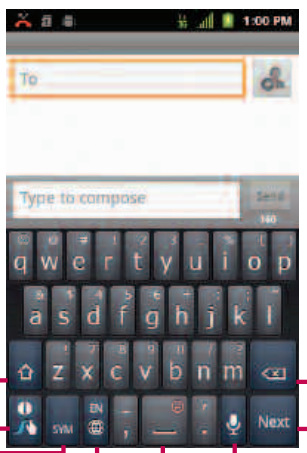
If you do not want the screen to change orientations automatically, uncheck the Auto-rotate screen. Press > > **Settings** > **Display** and deselect **Auto-rotate screen**.

3. When you finished typing, tap to close the keyboard.

Using Swype Method

Swype is a text entry method that allows you to enter a word by sliding your finger from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a predictive text system. For more information, please refer to the Swype Tutorial and Help on your device.

Letters Entry Keyboard



Shift Key

Tap once to capitalize the next letter you type. Double-tap for all caps.

Swype Tips Key

Tap to see Tutorial or More Help, or set Swype settings.

Number and Symbols Key

Tap to change input to number and symbol entry.

Language Key

Tap to select the text input language.

Delete Key

Tap to delete characters to the left of the cursor.

Emoticon Key

Tap to enter various emoticons.

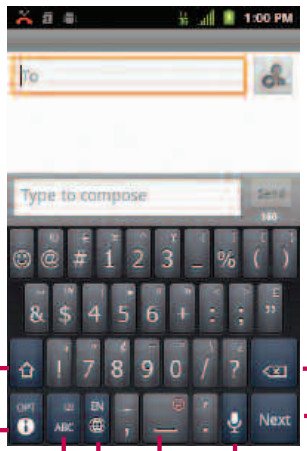
Voice to Text Key

Tap to enter text by voice.

Space Key

Tap to enter space.

Numbers and Symbols Entry Keyboard



Shift Key

Tap once to capitalize the next letter you type. Tap again to turn on CAPS lock. And tap again to turn off CAPS lock.

Swype Tips Key

Tap to see Tutorial or More Help, or set Swype settings.

Letters Key

Tap to change input to letters entry.

Language Key

Tap to select the text input language.

Delete Key

Tap to delete characters to the left of the cursor.

Emoticon Key

Tap to enter various emoticons.

Voice to Text Key

Tap to enter text by voice.

Space Key

Tap to enter space.

- Create a squiggle (like an S shape) to create a double letter (such as “pp” in “apple”).
- To enter a capitalized word, slide your finger above the top row of the keyboard and then slide back down to the next letter(s).
- Move your finger over the apostrophe to enter contractions For common punctuated suffixes, lift your finger off between the suffix and the main part of the word.

To configure Swype settings:

1. When the Swype keyboard is displayed, tap .
2. Tap **Settings**.
3. Tap any of the following settings:
   - **Language** allows you to select the current text input language. The default language depends on the language set when you first activated the phone.
   - **Audio feedback** allows you to turn on sounds generated by the Swype application.
   - **Vibrate on keypress** allows you to activate a vibration sensation as you enter text using the keypad.
   - **Show tips** allows you to turn on an on-screen flashing indicator that provides helpful user information.
   - **Word suggestion** allows you to use a built-in word database to predict words while entering text in Swype.
   - **Auto-spacing** allows you to automatically insert a space between words. When you finish a word, just lift your finger and start the next word.
   - **Auto-capitalization** allows you to automatically capitalize the first letter of a sentence.

- **Show complete trace** allows you choose whether or not you want the complete Swype path to display.
- **Speed vs. accuracy** sets how quickly Swype responds to onscreen input. Move the slider between **Fast Response (speed)** or **Error Tolerance (accuracy)** and tap **OK**.
- **Personal dictionary** allows you to add, edit and remove words which you have added to your Personal Dictionary.
- **Reset Swype's dictionary** allows you to remove all words previously added to the Personal Dictionary.
- **Word choice window** sets the amount of times the word choice selection window displays on the screen. Move the slider between **Never** or **Always** and tap **OK**.
- **Swype help** displays the Swype User Manual.
- **Tutorial** provides an on-screen tutorial.

Tips for Editing Text

You can edit the text you enter in text fields and use menu commands to cut, copy, and paste text, within or across most applications. To cut/copy and paste the text:

1. Touch and hold the text field that contains the text.
2. Tap **Select word or Select all** in the menu that opens. The selected text is highlighted in orange, with a tab at each end of the selection.
3. Drag either selection tab to expand or reduce the range of selected text.
   - To cancel the selection, simply tap unselected text or empty area.
4. Tap the selected text.
5. When the pop-up menu opens, tap **Cut** or **Copy**.
6. Place the cursor on the location where you want to paste the text.
7. Touch and hold the text field.
8. When the pop-up menu opens, tap **Paste**. The text that you pasted also remains in the device's memory (temporarily), so you can paste that same text in another location.

Creating a Google Account

Your Google Account

You must create and/or sign into a Google Account to use Gmail™, Google Talk™, Google Calendar™, andother Google Apps. Signing into a Google Account is also necessary to download applications from the Android Market™, to sync your data (if applicable) with the Google servers, and to take advantage of any other available Google services on your device.

If you don't have a Google Account, you will be prompted to create one. If you have an enterprise account through your company or other organization, your IT department may have special instructions on how to sign into that account.

1. From a computer, or from your device's Browser, navigate to **www.google.com**.
2. On the main page, select **Sign-in** > **Create an account now**.
3. Follow the onscreen prompts to create your free account.
4. Log into your provided email address, locate the email from Google, and respond to the new email to both confirm and activate your new account.

Signing into Your Google Account

1. Launch an application that requires a Google account (such as Android Market or Gmail).

2. Click **Next** > **Sign in**.

Note

Note: If you do not already have a Google account, touch Create and follow the onscreen prompts to create your new account.

3. Touch the **Username** and **Password** fields and enter your information.

4. Tap **Sign in**. Your device then communicates with the Google servers to confirm your information.

Important: Some applications, such as Calendar, work only with the primary Google account (the first Google account set up with your device). If you plan to use more than one Google Account with your device, be sure to sign into the one you want to use with such applications first. When you sign in, your contacts, Gmail messages, Calendar events, and other information from these applications and services on the Web can be synchronized with your device. You will be prompted to sign in or to create a Google Account the first time you start an application that requires one, such as Gmail or Android Market.

Making Calls

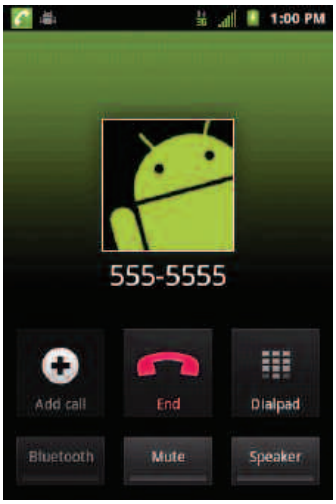
There are several convenient ways to place calls from your device.

1. Press > .

Note
If necessary, tap the Phone tab to access the dialpad.

2. Enter a phone number using the onscreen dialpad and tap .

- If you enter a wrong number, tap to erase digits one by one.
- To erase the entire number, touch and hold .

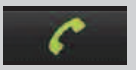


Options during a call:

- You can open other applications during a call. The will appear in the Status Bar while the call is underway.
- Press the Up/Down Volume buttons to adjust the call volume.
- Use the onscreen buttons to add another call on hold, to use the speakerphone, and for other options, as described in In-Call Options.

3. Tap to end the call.

Tip

To cllow step 1 to access the Dialer, tap the Call log tab, locate the call entry and tap  > .

You can also make calls from your Contacts list, from the Call log, and using Voice Dialer .

Dialing Options

After entering numbers with the dialpad, you can use the following dialing options.

Press to view the following options:

- **Add to contacts**: Tap to add the entered number as a new contact, or to an existing contact entry. (See Saving a Phone Number on page 72.)

- **Add 2-sec pause:** Enter digits and select this option to introduce a two-second pause before the following sequence of digits is dialed by the phone. (See Dialing and Saving Phone Numbers With Pauses on page 77.)
- **Add wait:** Enter digits and select this option to have the phone dial the preceding set of digits first, and then dial the following sequence of digits when you tap Yes on the pop up screen. (See Dialing and Saving Phone Numbers With Pauses on page 77.)

Missed Call Notification

A missed call icon displays when you do not answer a call. When you do not answer an incoming call , is displayed in the Status bar. To display the Missed Call entry from the notification screen:

1. Touch and drag the Status Bar to the bottom of the screen to open the Notification panel.
2. Tap the missed call notification. The Call log screen will be displayed. (To dial the phone number, tap .)

Calling Emergency Numbers

You can place calls to 911 (tap and dial), even if your phone is locked or your account is restricted.

Note
When you place an emergency call, your phone automatically enters Emergency mode.

During an emergency call, tap an option.

- **Speaker On** to activate speakerphone mode. (If you are in speakerphone mode, the option is displayed as Speaker Off to deactivate.)
- **Dialpad/Hide** to show or hide the onscreen dialpad.
- **End** to end the current call.

To exit Emergency mode:

1. Tap to end the emergency call.
2. Tap Exit on the Emergency Call Back mode.

Enhanced 911 (E911) Information

This phone features an embedded Global Positioning System (GPS) chip necessary for utilizing E911 emergency location services where available. When you place an emergency 911 call, the GPS feature of your phone seeks information to calculate your approximate location. Depending on several variables, including availability and access to satellite signals, it may take up

to 30 seconds or more to determine and report your approximate location.

Important: Always report your location to the 911 operator when placing an emergency call. Some designated emergency call takers, known as Public Safety Answering Points (PSAPs) may not be equipped to receive GPS location information from your phone.

TTY Use

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone. Your device is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your device's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

To turn TTY Mode on or off:

1. Press > > **Settings** > **Call settings** > **TTY mode**.
2. Tap **TTY Off** to turn TTY mode off.

– or –

Tap any of the following to enable the feature:

- **TTY Full**, **TTY HCO**, or **TTY VCO**.

Note
In TTY Mode, your device will display the TTY access icon. When enabled, TTY mode may impair the audio quality of non-TTY devices connected to the headset jack.

In-Call Options

Once you initiate a call, you will see these onscreen options:

- **Add call** to initiate a 3-way call.
- **End** to end the call.
- **Dialpad** to display the dialpad.
- **Bluetooth** (Only available when a Bluetooth headset is connected to your phone) to conduct the call via the Bluetooth headset for hands-free conversation. (For details

about pairing the phone with a Bluetooth headset, see Pairing Bluetooth Devices on page 258.)

Note
When using the Bluetooth headset during a call, the Ongoing Call notification icon is blue in the Status bar.

- **Mute** to mute the microphone during a call. The Mute button lights up and is displayed on the Status Bar to indicate the microphone is muted. To unmute the microphone, tap Mute again.
- **Speaker** to turn the speakerphone on or off. The Speaker button lights up and is displayed on the Status Bar to indicate that the speakerphone is on.

WARNING: Because of higher volume levels, do not place the device near your ear while using the speakerphone.

Dialing and Saving Phone Numbers With Pauses

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers.

There are two types of pauses available on your device:

- **2-Second Pause** automatically sends the next set of numbers after two seconds.

- **Hard Pause (Wait)** sends the next set of numbers when you tap .

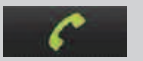
Note
You can have multiple pauses in a phone number and combine two-second and hard pauses.

To dial or save phone numbers with pauses:

1. Enter the phone number.
2. Press > **Add 2-sec pause** or **Add wait**.
3. Enter additional numbers.
4. Tap to dial the number.

   – or –

   Press > **Add to contacts** to save the number in your Contacts.

Note
When dialing a number with a hard pause (Wait) press  to send the next set of numbers.

Dialing From the Contacts List

Dial directly from your contacts list.

1. Press > > **Contacts**.

   – or –

   Press > > **Contacts**.

2. Find a contact to call and tap it to open its entry, then, tap .

   – or –

   Touch and hold the contact. When a context menu opens, tap Call contact.

Using Direct Dialing

With Direct Dialing, you are able to directly save a contact to your Home screen.

1. Press > > **Add** > **Shortcuts** > **Direct dial**.

2. Tap a contact from your Contacts List. The contact will appear on your home screen.

   To use Direct Dial:

   - Simply tap the contact on the Home screen.

Plus (+) Code Dialing

When placing international calls, Plus Code Dialing automatically enters the international access code for your location (for example, 011 for international calls made from the U.S.).

1. In the Dial screen, touch and hold until you see a "+" on the display screen.
2. Dial the country code and phone number, and then tap . (The phone automatically prepends the access code for international dialing, followed by the country code and phone number.)

Answering Calls

When you receive a phone call, the Incoming Call screen opens with the caller ID and any other available information (such as the caller's name, if saved in the Contact's list). The most recent incoming calls are recorded in the Call log. (See Call Log on page 82.) To answer a call:

- Touch and drag to the right.

If you were already on a call, the first call is placed on hold while you answer the new call. To silence the ringer of an incoming call, press the volume down button.

Your phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates.
- The backlight illuminates.
- The screen displays an incoming call message.

To decline a call and divert it to voicemail:

- Touch and drag to the left.

The caller is sent directly to your voicemail box to leave a message.

Answering a Roam Call With Call Guard Enabled

Call Guard is an option that helps you manage your roaming charges when making or receiving calls while outside your operator's. Please see Roaming Settings on page 93 for more information about roaming.

- Tap **Yes** to answer the call. (See Call Guard on page 94 for additional information.)

Note

When your phone is off, calls go directly to voicemail

Ending a Call

When you have finished the conversation, please make sure to tap .

- Tap .

– or –

If you opened other applications while on a call:

1. Open the Notifications panel.
   - Touch and drag the Status Bar to the bottom of the screen.
2. Tap Current call to redisplay the Phone application.
3. Tap .

Call Log

The Call Log tab of the Phone application lists all recent incoming, outgoing, and missed calls.

Viewing the Call Log

The Call log is a list of the most recently placed, received, or missed calls. It offers a convenient way to redial a number, return a call, or add a number to your Contacts. To open the Call log:

- Press > > **Call log**.

Calls are listed in the Call log tab, the most recent calls are located at the top of the list. Scroll down to see older entries.

Note

Call log records only calls that occur while the device is turned on. If a call is received while your device is turned off, it will not be included in the call log. If you return a call from the voicemail menu, it will not be included in your phone's Call log.

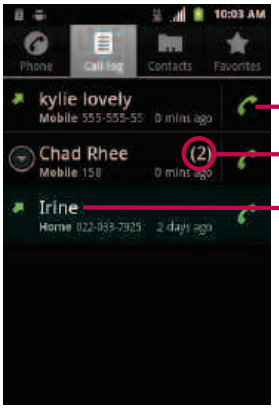
Call Log Options

Tap an entry to view the date and time of the call and call duration. The following options are available:

- Call again to make a call.
- Send text message to send a text message.
- Add to contacts to add an entry's number to your Contacts.

If several calls were made to one number or received by one number, the calls are displayed as one entry. When you tap this entry, the individual call logs are opened.

Phone



Touch to call back.

Touch to view specific call logs.

Touch and hold an entry for more options.

You can also touch and hold the entry to open a menu with more options, to communicate with that contact in other ways.

- **Call** to make a call.
- **View contact** (for entries saved in Contacts) to view contact information.
- **Edit number before call** to edit a number before you redial.
- **Send text message** to send a text message.
- **Add to contacts** to add an entry's number to your Contacts.
- **Remove from call log** to remove the entry from the Call log.

Making a Call From the Call Log

- From the Call log, tap the at the right of the entry.

Saving a Number From the Call Log

1. Tap an entry and tap **Add to contacts**.

   – or –

   Touch and hold an entry and tap **Add to contacts**.

2. Tap **Create new contact**.

   – or –

   Search for an existing contact name and tap an existing contact to add the new number to that existing contact. (For more information about creating and editing contacts, see Contacts on page 121).

Note: You cannot save phone numbers already in your Contacts or from calls identified as No ID or Restricted.

Prepending a Number From the Call Log

If you need to make a call from the Call log and you are outside your local area code, you can add the appropriate prefix by prepending the number.

1. Touch and hold an entry and tap **Edit number before call**.
2. Tap the area immediately to the left of the phone number and enter the prefix.
3. Press to call the number.

   – or –

   Tap > **Add to contacts** to save the amended number in your Contacts.

Clearing the Call Log

1. From the Call log, press > **Clear call log.**
2. If you are certain you want to clear the Call log, tap **OK**.

   – or –

   Tap **Cancel**.

Saving a Phone Number

You can store phone numbers and contact entries in your phone. You can also synchronize them with your Google™ Account, Microsoft Exchange account, or other accounts that support syncing contacts. (For more information, see Contacts on page 121.) To save a number from standby mode:

1. Press > .
2. Enter a phone number and press and tap Add to contacts.
3. Tap **Create new contact**.

   – or –

   Search for an existing contact name and tap an existing contact to add the new number to that existing contact.

For more information about creating and editing contacts, see Contacts on page 121.

Finding a Phone Number

Your contacts are displayed alphabetically in a list. It is easy to search for a contact by name.

1. Press > > **Contacts.**

   – or –

   Press > .

2. Start entering the name of the contact you're searching for. As you type, contacts with matching names will appear above the keyboard.

3. Tap a matching contact in the list to open its entry. To dial a number, tap .

This section provides an overview of items you can change using your device's Settings menus.

To open Settings:

- Press > > **Settings.**

  – or –

  Press > > **Settings.**

Wireless & Network Settings

This group of settings lets you control your device's Wi-Fi settings, Bluetooth, VPN, and Mobile Networks.

Airplane Mode

Airplane Mode (Flight mode) allows you to use many of your device's features, such as Games, and Music, when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When you set your device to Airplane Mode, it cannot send or receive any calls or access online data.

1. Press and hold to reveal the Phone options.
2. Tap **Airplane mode**.

– or –

1. Press > > **Settings** > **Wireless & networks.**
2. Tap Airplane mode. (A green checkmark appears.) While in Airplane Mode, your device's Status Bar will display .

To deactivate Airplane Mode:

1. Press and hold to reveal the Phone options.
2. Tap **Airplane mode.**

– or –

1. Press > **Settings** > **Wireless & networks.**
2. Tap **Airplane mode** to remove the checkmark.

Wi-Fi Settings

Your device lets you take advantage of Wi-Fi hotspots for high-speed data access using available computer networks. For details on your device's Wi-Fi features and settings, see Connecting to Wi-Fi Networks on page 199.

Bluetooth Settings

Your device's Bluetooth capabilities let you use wireless headsets, send and receive pictures and files, and more. For details on your device's Bluetooth settings, see The Bluetooth Settings Menu on page 257.

VPN Settings

From your device, you can add, set up, and manage virtual private networks (VPNs) that allow you to connect and access resources inside a secured local network, such as your corporate network. For details on your device's VPN settings, see Virtual Private Networks (VPN)on page 204.

Mobile network Settings

You can set whether to enable or disable data access on your device.

1. Press > > Settings > Wireless & networks > Mobile networks.

2. Tap **Data enabled** to check or uncheck it.

Call Settings

Your device's Call Settings menu lets you configure International call options and TTY mode.

North American Dialing

Replace + code as needed for outgoing calls.

1. Press > > **Settings** > **Call settings**.

2. Tap North American Dialing to check or uncheck it.

International Dialing

Set international dialing code for outgoing calls.

1. Press > > **Settings** > **Call settings** > **International Dialing**.

2. Enter the international dialing code and tap **OK**.

TTY mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone. Your device is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones. Your phone and TTY device will connect via a special cable that plugs into your device's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

To turn TTY Mode on or off:

1. Press > > Settings > Call settings > TTY mode.

2. Tap TTY Off to turn TTY mode off, or tap TTY Full, TTY HCO or TTY VCO.

Roaming Settings

With your device and global roaming service from your service provider, you can make phone calls and use wireless data services around the globe on compatible CDMA networks.

Roaming Icon

Your display screen always lets you know when you're off your Service Provider's Network. Anytime you are roaming, the device displays the roaming icon .

Setting Roam Mode

Your phone allows you to control your roaming capabilities. By using the Roaming menu option, you can determine which signals your phone accepts.

Choose from three different settings on your dual-band device to control your roaming experience.

1. Press > > **Settings** > **Roaming**.

2. Tap Domestic Data, International Data or both to place a checkmark and connect to data service while roaming. (Requires Domestic Voice or International Voice)

Note

With Data roaming unchecked, you can still transmit data with a Wi-Fi connection. See Connecting to Wi-Fi Networks on page 199.

3. Tap System select to change the CDMA roaming mode.
   - **Home Only** to access only the home area mobile network. This option also prevents roaming on other networks.
   - **Include Roaming** to seek service off the home area mobile network.

Call Guard

Call Guard makes it easy to manage your roaming by requiring confirmation before placing or answering a roaming call.

To turn Call Guard on or off:

1. Press > > **Settings** > **Roaming** > **Roaming Guards**.
2. Tap Voice(Domestic), Voice(International) or both to activate or deactivate this function. When active, an extra key press is required for dialing when in a roaming area.

Note

Call Guard is turned on by default on your phone.
Voice dialing and speed dialing are not available when you are roaming with Call Guard enabled.

To place roaming calls with Call Guard on:

1. Press > > Phone to access the Dialpad.
2. Enter 1 + area code + the seven-digit number and tap .
3. Tap **Yes**.

To answer incoming roaming calls with Call Guard on:

1. Touch and drag to the right. (A message will be displayed notifying you that roaming charges will apply.)
2. Tap **Yes**.

Data Roam Guard

Depending on service availability and roaming agreements, your phone may be able to access data services while roaming on certain digital systems. You can set your device to alert you when you are roaming off the home area mobile network and try to use data services such as messaging.

To set your Data Roam Guard notification:

1. Press > .
2. Tap Settings > **Roaming** > **Roaming Guards**
3. Tap **Data(Domestic)**, **Data(International)** or both to place a checkmark and activate the function.

To use data services when Data Roam Guard is active:

- When a pop-up notification appears informing you that data roam charges may apply, tap Connect orAlways Connect to connect.

Sound Settings

In the Sound settings menu, you can configure call and notification ringtones, audio volumes, as well as some related settings.

Ringer Types

The phone Ring tones alert you of incoming calls.

Selecting Ringtone for Voice Calls

1. Press > > **Settings** > **Sound** > **Phone ringtone**.

2. Tap a ringtone to select it and to hear it. If you want to set the ringtone, tap **OK**. If not, select another ringtone or tap Cancel.

Using a Song as a Ringtone

You can use a song as your phone ringtone, in place of one of the ringtones that come with the phone.

1. Press > > **Music**.

2. Touch and hold a song in your collection. In the pop-up menu, tap **Use as phone ringtone**.

   – or –

   On the Playback screen, press > **Use as ringtone**.

For details about using the Music application, see **Music** on page 188.

Adjusting the Device's Volume Settings

Adjust your device's volume settings to suit your needs and your environment.

1. Press > > **Settings** > **Sound** > **Volume**.

2. Adjust each volume level.

   - **Ringtone**: Changes the volume of your call ringtones and

notifications (if applicable).

- **Media**: Changes the volume of your music, videos and other media.
- **Alarm**: Changes the volume of your alarms.
- **Notification**: If you deselect the checkmark (below the Alarm volume bar), you will be able to set this volume level. This is the volume of the ringtone when you receive a notification.

3. Tap **OK**.

Tip

You can adjust the ringer volume on the Home screen or Applications screen, or almost any screen by using the volume button on the left side of your device. In other applications such as Music, YouTube, spoken directions, and other audio, the volume buttons controls the volume of the application.

Vibrate and Silent Mode

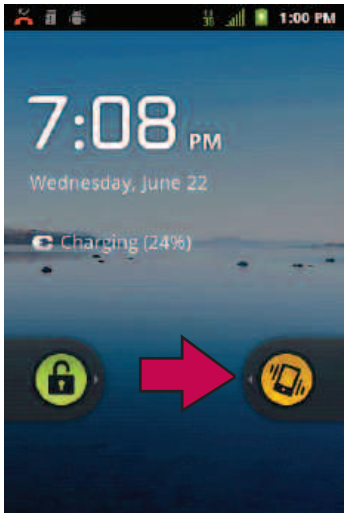
To set your device to vibrate instead of making any sounds:

1. Press > > **Settings** > **Sound** > **Vibrate**.

2. Tap one of the four options.

To set your device to always vibrate:

1. Press > > **Settings** > **Sound** > **Vibrate**.



2. Tap **Always**.

To switch to silent mode:

1. Press > > **Settings** > **Sound**.
2. Tap **Silent mode**. (A green checkmark will appear.)

   – or –

   Press the down volume button until you see on the screen.

– or –

On the default lock screen, drag to the left.

Selecting a Notification Ringtone

When you receive a notification such as the arrival of new messages, calendar events, or alarms, the device sounds a ringtone.

1. Press > > **Settings** > **Sound** > **Notification ringtone**.
2. Select a ringtone.

Setting Various Feedback Tones

To hear tones when you use the dialpad to dial a number:

1. Press > > **Settings** > **Sound**.
2. Tap Audible touch tones. (A green checkmark will appear.)

To hear sound when you tap buttons, icons, and other onscreen items:

1. Press > > **Settings** > **Sound**.
2. Tap **Audible selection**. (A green checkmark will appear.)

To hear sound when the screen is locked or unlocked:

1. Press > > **Settings** > **Sound**.

2. Tap **Screen lock sounds**. (A green checkmark will appear.)

To set your device to vibrate when touching buttons and keys:

1. Press > > **Settings** > **Sound**.

2. Tap **Haptic feedback**. (A green checkmark will appear.)

To set how the phone reacts when you make an emergency call:

1. Press > > **Settings** >**Sound**.

2. Tap **Emergency tone**.

3. Tap **Off**, **Alert**, or **Vibrate**.

Adjusting your device's display settings not only helps you see what you want, it can also help increase battery life.

Changing the Backlight Time Length

Select how long the display screen remains backlit after touch the screen or press a key before the screen darkens.

1. Press > > **Settings** > **Display** > **Screen timeout**.
2. Tap **15 seconds, 30 seconds, 1 minute, 2 minutes, 10minutes, or 30 minutes.**

Note

Long backlight settings reduce the battery's talk and standby times. For the best battery performance, use the shortest convenient timeout.

Changing the Contrast

Adjust your screen's contrast (brightness) to suit your surroundings.

1. Press > > Settings > Display > Brightness.
2. Use the slider to set a brightness level.

Note

For the best battery performance, use the dimmer levels.

Display Language

You can choose to display your device's onscreen menus in English or in Spanish.

1. Press > > **Settings** > **Language & keyboard** > **Select language**.
2. Tap English, Español.

Setting the Device Automatically to Rotate the Screen

Choose whether the device automatically switches the orientation of the screen as you turn it sideways or even upside down.

1. Press > > **Settings** > **Display**.
2. Tap **Auto-rotate screen** to automatically rotate the screen (a green checkmark will appear).

   – or –

   To disable this, tap **Auto-rotate screen** so that the checkmark is removed.

Note

Some applications on your device do not support the Auto-rotate feature.

Date & Time Display Settings

Set your preferences for how dates and time are displayed. You can also use these settings to set your own time and time zone, rather than obtaining the current time from the mobile network.

1. Press > > **Settings** > **Date & time**.
2. Tap **Use 24-hour format** to display the time using 24-hour time format—for example, 13:00 rather than 1:00 pm.
3. Tap **Select date format** to open a dialog to select the format for displaying dates.

Animation Display Options

Choose whether you want to enjoy animated transitions for some effects (such as when opening menus), for all supported effects (such as when navigating from one screen to another), or to remove all animated transitions (this setting does not affect transitions in non-native applications).

1. Press > > **Settings** > **Display** > **Animation**.
2. Tap **No animations**, **Some animations**, or **All animations.**

Location & Security Settings

Your Location settings menu lets you select how your device determines its location (using the wireless network, GPS satellites, both, or neither). The Security settings menus let you set device security, lock codes, passwords, administrator settings, and more.

The Location feature allows the network to detect your position. Turning Location off will hide your location from everyone except 911.

Note

Note: Turning Location on will allow the network to detect your position using GPS technology making some applications and services easier to use. Turning Location off will disable the GPS location function for all purposes except 911, but will not hide your general location based on the cell site serving your call. No application or service may use your location without your request or permission. GPS-enhanced 911 is not available in all areas.

To enable your device's Location feature:

1. Press > > **Settings** > **Location & security** > **GPS Privacy Setting.**
2. Tap **Location On** or **E911 Only.**

Using Wireless Networks

You can use information from Wi-Fi and your service provider's networks to determine your approximate location, for use in GPS applications, when you search, and so on. To use information about your location when navigating and searching in GPS applications (see GPS Navigation on page 106.) you must turn on location services.

1. Press > > **Settings** > **Location & security**.
2. Tap **Use wireless networks**. (A green checkmark will appear.)
3. When you check this option, you're asked whether you consent to sharing your location anonymously with Google's location service.
4. Read the disclaimer and tap **Agree**.

Using GPS Satellites

You can use your device's global positioning system (GPS) satellite receiver to pinpoint your location to within accuracy as close as several meters ("street level"). Actual GPS accuracy depends on a clear view of the sky and other factors.

1. Press > > **Settings** > **Location & security**.
2. Tap **Use GPS satellites**. (A green checkmark will appear.)

Note

Uncheck this option when you do not use Maps to conserve battery.

Your Device's Lock Feature

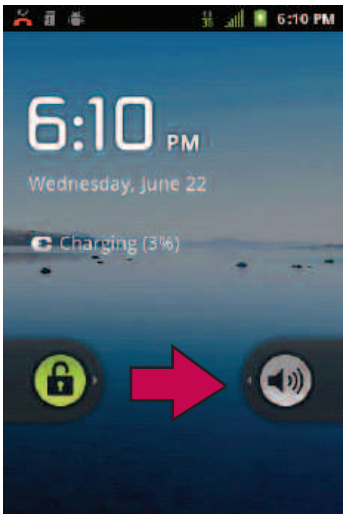
Locking Your Device

When your device is locked, you can only receive incoming calls or make calls to 911.

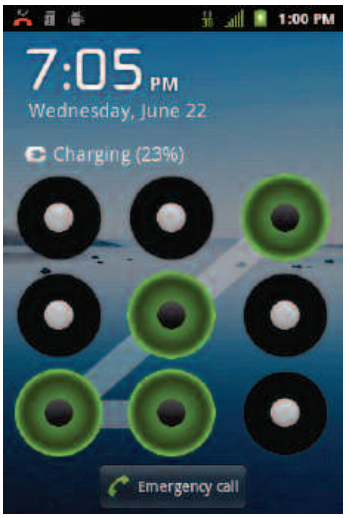
- Press . Locking the screen prevents accidental screen touches from activating phone functions.

Unlocking Your Device

1. Press to wake up the phone. (See Wake Up the Screen on page 23.)
2. On your lock screen, touch and drag the green lock icon to the right.



- If you have set up an Unlock Pattern (see Your Device's Lock Feature on page 107.), use your fingertip to draw the pattern.



- If you have set up an Unlock Pattern (see Your Device's Lock Feature on page 107, you're your fingertip to draw the pattern. If you have set up Unlock PIN or Unlock Password, enter the Unlock PIN or Unlock Password. After entering it, tap OK. The last screen you were working on opens.

Note

You have five opportunities to enter your unlock Pattern, PIN or Password. If you've entered the wrong information five times, you must wait 30 seconds before you can attempt again.

When you can't recall your unlock Pattern, PIN or Password:

- If you've set up a Google account on the device, tap the Forgot pattern? button. You will be able to unlock the device with your Google account username and password.
- If you haven't created a Google account on the device, you must perform a factory reset. (CAUTION! If you perform a factory reset, all user applications and user data will be deleted. Please remember to back up any important data before performing a factory reset.)

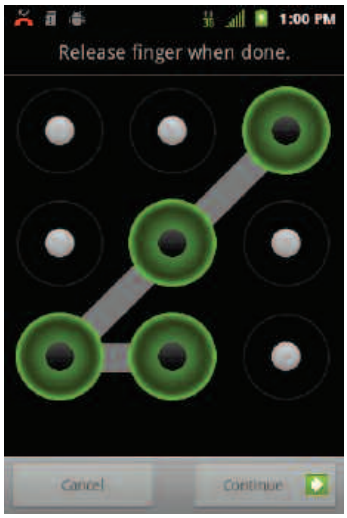
1. Turn the power off.
2. Press and hold the following keys for over 10 seconds: Down volume key + + .
3. Enter to Android system recovery mode
4. wipe datta/factory reset select.
   (Move cursor with volume down key and select with .)
5. Yes -- delete all user data select.
   (Move cursor with volume down key and select with .)
6. After Data wipe complete, if you press home key, reboot will start.

Your Device's Unlock Pattern, Pin, or Password Feature

You can increase your device's security by creating a screen unlock pattern (disabled by default), by creating a PIN, or by choosing a password. When these features are enabled, you must draw the correct unlock pattern, enter the PIN, or enter the password on the screen to unlock and regain access to the device.

Your Device's Lock Feature

1. Press > > **Settings** > **Location & security**.
2. Tap **Set up screen lock**.
3. Select **Pattern**, **PIN**, or **Password**.
   - **Pattern**: The first time you set unlock pattern, you will see a tutorial with instructions on how to create it. Read the tutorial and tap Next (twice).Draw and redraw your own pattern. Then, tap Confirm. (Connect at least four dots.)



- **PIN**: Enter a PIN (at least of four digits) and confirm it.
- **Password**: Enter a Password (at least of fourcharacters) and confirm it.

From then on, any time you wish to turn the phone on or unlock the screen, you must draw your unlock pattern or enter the PIN or password to unlock the screen.

Changing the Lock Code

1. Press > > **Settings** > **Location & security** > **Change screen lock**.
2. Confirm the saved pattern, or your PIN or Password.
3. Select **Pattern**, **PIN**, or **Password**.

To disable your device's lock feature:

1. Press > > **Settings** > **Location & security** > **Change screen lock.**
2. Enter the PIN, Password, or Pattern.
3. Tap **None.**

Calling in Lock Mode

Even if the screen is locked, you will still be able to place emergency calls. Tap the Emergency Call icon.

- To call an emergency number, tap the Emergency call button and enter the phone number and .

Silence Your Device from the Lock Screen

If you are in a place where your device's sounds may disturb others, you can quickly silence your device from the lock screen.

- Drag to the left. To turn the phone sounds back on, drag to the left.

Credential Storage Settings

You use credential storage to establish some kinds of VPN and Wi-Fi connections.

To allow applications to access your device's encrypted store of secure certificates and related passwords and other credentials:

1. Press > > **Settings** > **Location & security**.
2. Slide the screen up until you see Use secure credentials on page ___.
3. Tap **Use secure credentials**. (A green checkmark will appear.)

To install a secure certificate from a microSD card:

1. Press > >**Settings** > **Location & security** > Install from SD card.
2. Tap the file name of the certificate to install. Only the names of certificates that you have not already installed on your device are displayed.
3. If prompted, enter the certificate's password and tap **OK**.
4. Enter a name for the certificate and tap **OK**. You can now use the certificate that you installed when connecting to a secure network. For security purposes, the certificate will be deleted from the microSD card.

- If you have not already set a password for your device's credential storage, you will be prompted to enter a password for it, twice, then tap OK.

To set or change the password for your secure credential storage:

1. Press > > **Settings** > **Location & security** > **Set password**.
2. Enter the current password, a new password, and confirm the new password. (Please note that your password must have at least 8 characters.)

To delete all secure certificates and related credentials and reset its password:

1. Press > **Settings** > **Location & security** > **Clear storage**.
2. Tap **OK** in the confirmation dialog box.

Accounts Settings

The Accounts settings menu lets you add and manage all your email, social networking, and picture and video sharing accounts.

Accounts

You can add multiple Google™ Accounts and Exchange

accounts. You may also be able to add other kinds of accounts, depending on the applications downloaded and installed on your device.

When you add an account, the Contacts application compares any new contacts with your existing contacts and will join contact entries if matches are found. This does not join the contact entries on the accounts themselves; they are only displayed as a single contact on your device.

(See Configuring Account Sync and Display Options on page 117 to learn how to separate contact information that was joined incorrectly.)

To add an account:

Note

To add some accounts, you must contact a network administrator for account setup information. For example, you may need to know the account's domain or server address.

1. Press > > **Settings** > **Accounts & sync.** The Accounts & sync settings screen displays your current sync settings and accounts. (For more information, see Configuring Account Sync and Display Options on page 117.)
2. Tap **Add account.**
3. Tap the type of account you want to add.

4. Follow the onscreen steps to enter the required (and optional) account information.

Note

Many accounts require only a user name and password, but some accounts will require more information.

5. Configure the account.

Depending on the kind of account, you may be asked to configure the types of data you want to sync to the device, name of the account, and other details. When you're finished, the account will be added to the list in the Accounts & sync settings screen.

Removing an Account

You can remove an account to delete all information associated with it from your device, including email, contacts, settings, etc.

Some accounts cannot be removed, such the first Google Account you set up on the device. That account can only be removed by resetting your device entirely.

To remove an account:

1. Press > > **Settings** > **Accounts & sync**.

2. Tap the account you want to delete.

3. Tap **Remove account**.

4. Tap **Remove account** again to confirm that you want to remove the account.

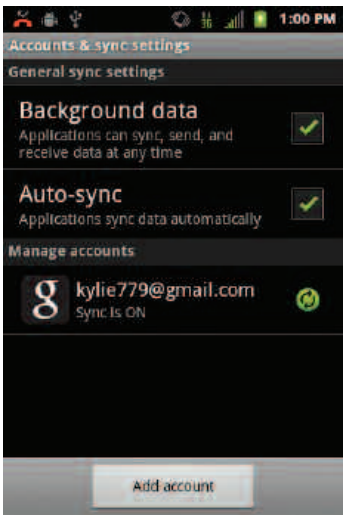
Configuring Account Sync and Display Options

You can configure background data and synchronization options for the applications on your device. You can also configure synchronization options for each individual account. Some applications, such as Gmail™ and Calendar, have their own synchronization settings. Some applications, such as Contacts and Gmail, can sync data for multiple accounts. Others, such as Calendar, sync data only from the first Google Account you set up with your device, or from an account associated specifically with that application.

For some accounts, syncing is two-directional; changes that you make to the information on your device are synchronized with the accounts on the Web or computer. Your Google Account synchronizes in a two-directional manner. Other accounts support only one-way sync; the information changed on your phone is only changed on your phone.

To configure general sync settings:

1. Press > **Settings** > **Accounts & sync.**



- Indicates that some, or all, of an account's information is configured to sync automatically with your device.
- Indicates that none of an account's information is configured to sync automatically with your device.

2. Tap Background data to enable or disable whether applications can use your data connection to synchronize data while the applications run in the background.

If you disable this option, the Gmail and Calendar applications will not automatically receive updates until they are manually refreshed (using their respective options menu).

3. Tap **Auto-sync** to enable or disable whether changes you make to information on the device or on the web are automatically synced with each other.

   - For example, when this option is enabled, changes that you make in the Contacts application on your device are automatically made to your web-based Google Contacts™.
   - If you uncheck this option, you may be able to use an application's tools to sync data manually. (See To sync information manually on page 119.)

To sync information manually:

1. Press > > **Settings** > **Accounts & sync**.
2. Tap the account whose data you want to sync.
3. Press > **Sync now**.

To change an account's sync settings:

1. Press > > **Settings** > **Accounts & sync**.
2. Tap the account whose data you want to change.
   - The Data and synchronization screen will open, displaying a list of the types of data the account can sync.

3. Tap the items you want to sync. (A green checkmark indicates that synchronization has been enabled.)

   - By disabling synchronization for an item, it will not remove the previously synchronized data from your device, it will simply stop future synching. To remove the information previously synced for the account, you must remove the account.

The Contacts application lets you store and manage contacts from a variety of sources, including contacts you enter and save directly in your device as well as contacts synchronized with your Google account, your PC, compatible email programs (including Exchange Server), and your Facebook friends.

Use the Contacts application to add, view, and communicate with your family, friends and acquaintances.

To open your Contacts application:

- Press > **Contacts**.

All of your contacts are displayed alphabetically in a list. If you have a new phone and haven't added any contacts yet, the Contacts application will display hints on how to start adding contacts to your phone.

Creating a New Contacts Entry

You can add contacts on your phone and synchronize them with the contacts in your Google™ Account, Microsoft Exchange account, or other accounts that support syncing contacts.

The Contacts application tries to join new addresses with existing contacts, to create a single entry. You can also manage that process manually.

Contacts

1. Press > > **Contacts**.
2. Press > **New contact**.
3. Tap a destination type (**Phone, Google, or Corporate**), if applicable.
4. Tap the Picture Frame icon to select a picture to display next to the name in your list of contacts and in the Caller ID.
5. Tap the **First name** and **Last name** fields, and enter a name for the new entry.
6. Tap the label button (to the left of the Phone number field) to select one of the following categories: **Mobile, Home, Work, Work Fax, Home Fax, Pager, Other, Custom Callback, Car, Company Main, ISDN, Main, Other Fax, Radio, Telex, TTY TDD, Work Mobile, Work Pager, Assistant,** or **MMS**.
7. Tap a phone number field and enter a phone number. Tap **Email, postal address, Organization,** or **More** to input additional contact information.
8. When you're finished, tap Done.

Adding a Contact to Your Favorites

Favorites contains a short list of the contacts you communicate with most often.

To add a contact to your favorites:

1. Press > > **Contacts**.
2. Press a contact to view its details.
3. Tap the star to the right of the contact's name. (A gold star appears.)

To remove a contact from your favorites list:

1. Press > > **Favorites**.
2. Tap a contact to view its details.
3. Tap the gold star to the right of the contact's name. The star will turn gray, meaning it has been removed from your Favorites.

Editing a Contacts Entry

You can change or add details saved in your contact entries, such as setting specific ringtones to specific contacts or setting calls

from specific contacts to divert to your voicemail. Some contact entries contain information from multiple sources: information that you added manually, information joined from multiple accounts to consolidate duplicates, etc.

If you find duplicate entries in Contacts, you can join them into a single entry. If you find that unrelated contacts were joined in error, you can separate them.

Changes made to information from one source do not automatically change the information on the other sources. For example, if you have information about a contact from a Google Account and an Exchange account and both are configured to sync contacts, changes to the contact from the Google Account are synced to that account on the Web, but the information from the Exchange account will remain unchanged.

For more information about working with multiple accounts, see Accounts on page 114.

To edit contact details:

1. Press > > **Contacts**.

2. Touch and hold the contact whose details you want to edit.

3. Tap **Edit contact**.

4. Edit the desired contact information.

5. Tap **Done**.

To change a contact's default phone number:

The default phone number is used when you initiate a call or send a text message using the context menu (by touching and holding a contact).

1. Press > > **Contacts**.

2. Tap the name of a contact to view its details.

3. Touch and hold the phone number you want to set as the contact's default phone number.

4. Tap **Make default number**. (A checkmark will appear next to the default phone number.)

To divert calls from a contact to your voicemail:

1. Press > > **Contacts**.

2. Tap the name of a contact to view its details.

3. Press > **Options**.

4. Tap **Incoming Calls**. (A green checkmark will appear.)

5. Press .

When this contact calls you, your phone will not ring and the caller will be forwarded directly to your voicemail.

To set a ringtone for a contact:

1. Press > > **Contacts**.

2. Tap the name of a contact to view its details.

3. Press > **Options**.

4. Tap Ringtone and tap a ringtone to select it.

5. Tap **OK**.

To delete a contact:

1. Press > > **Contacts**.

2. Tap the name of a contact.

3. Press > **Delete contact**.

- If the contact contains information from a read-only account, you will not be able to delete it; you will only be able to change the sync settings for that account or delete the account itself.

- If the contact contains information joined from a read-only account, a dialog box will inform you that you must separate the contact entry into individual contacts to delete the contact.

4. Tap **OK** to confirm that you want to delete the contact.

Adding a Number to a Contacts Entry

1. Press > > **Contacts**.
2. Touch and hold the contact's entry.
3. Tap **Edit contact** in the menu that opens.
4. Tap the Phone category's plus button.
5. Tap the label button to the left of the phone number field and select the relevant label.
   - To create your own label, tap Custom.
6. Enter a phone number and tap **Done**.

Editing a Contacts Entry's Numbers

1. Press > > **Contacts**.
2. Touch and hold a contact's entry.
3. Tap **Edit contact**.
4. Tap a phone number to edit.
5. Re-enter or edit the number and tap **Done**.

Assigning Direct Dialing Numbers

Speed dialing, as available in other feature phones, is not available. However, you are able to directly save a contact to your Home screen.

To set a contact as Direct dial:

1. Press > > **Add** > **Shortcuts** > **Direct dial**.
2. Tap a contact from your Contact List. The contact will be shown on the Home screen.

Note

If there is no available space on a particular Home screen pane, Add will not be available; you must delete or remove an item before you can add another item. In this case, you have the option of switching to another Home screen pane.

Direct Dial

Simply tap the contact on the Home screen.

Selecting a Ringtone for an Entry

Assign a ringtone to a Contacts entry so you can identify the caller by the ringtone. (See Ringer Types on page 96.)

1. Press > > **Contacts**.
2. Tap the name of a contact to view its details.
3. Press > **Options**.
4. Tap **Ringtone** and tap a ringtone to select it.
5. Tap **OK**.

Assigning a Picture to an Entry

Assign a picture to display each time a certain contact calls you.

1. Press > > **Contacts**.
2. Touch and hold the contact's entry.
3. Tap Edit contact.

4. Tap the Picture Frame icon.
5. Tap **Take photo** to take a new picture. The camera will launch.

   – or –

   Tap **Select photo from Gallery** to select a picture from the Gallery.
6. After cropping the picture as you want, (see Gallery Options on page 230) tap **Save**.

Finding Contacts Entries

Finding Contacts by Name

1. Press > > **Contacts**.
2. Press .
3. Start entering the name of the contact you're searching for. As you type, contacts with matching names will appear below the search box.
4. Tap a matching contact in the list to open its entry.

Shortcut

From the Home screen, press to display the Search feature.

Selecting which Contacts are Displayed

You can hide contacts that don't have phone numbers. You can also configure which groups of contacts you want to display in the Contacts List.

To set whether contacts without phone numbers are displayed:

1. Press > > **Contacts**.
2. Press > **Display Options**.
3. Tap **Only contacts with phones**. (A green checkmark will appear.)
4. Tap **Done**.

Communicating with Your Contacts

From the Contacts or Favorites tab, you can quickly call or send a text (SMS) or multimedia message (MMS) to a contact's default phone number. You can also open a menu to access different methods of communicating with that contact.

The Contacts application shares your contacts with many other applications, such as Gmail™ (see Gmail on page 159.) and messaging (see Text Messaging (SMS on page 147).

To connect by using Quick Contact for Android™:

1. Tap a contact's picture to open Quick Contact for Android.

2. Tap the icon corresponding to the type of communication you want to start.

Depending on the contact information saved, the available actions will be displayed above the name. (For more information, see Communicating with Your Contacts on page 131.)

To communicate with a contact:

1. Press > > **Contacts**.
2. Tap the contact's entry.
3. In the contact's details screen, tap the method you wish to communicate with the contact.

- Tap next to the number you want to call to directly.
- Tap next to the number you want to message.
- Tap next to the email address you want to email.

To call a contact's default number:

Note

Anytime you see the green dial button next to a number, such as in your Favorites or Call log, just tap it to call that number.

1. Press > > **Contacts**.
2. Touch and hold the contact's entry.
3. Tap **Call contact**.

   (For more information about placing phone calls, see Making Calls on page 71.)

To send a text or multimedia message to a contact's default number:

1. Press > > **Contacts**.
2. Touch and hold the contact's entry.
3. Tap **Text contact.**

For more information about sending text and multimedia messages, see Text Messaging and MMS on page 147.

Importing, Exporting, and Sharing Contacts

If you have contacts stored in vCard format on a microSD card you can import them into your Contacts application on your device. You can also export contacts in vCard format onto a microSD card. Export your contacts to back them up to a computer or another device.

Importing contacts from your microSD card

Note

See Connecting Your Device to Your Computer on page 134. for details about copying files to a microSD card from your computer.

1. Insert the microSD card (that contains the vCard files) into your device.
2. Press > > **Contacts**.
3. Press > **Import/Export** > **Import from SD card**.
4. If you have more than one account on your phone, tap the account into which you want to import the contacts.

5. Tap the importing option and then tap **OK**.

Exporting contacts to your microSD card

You can export all of the contacts on your phone to your microSD card, as vCard files. You can then copy this file to a computer or another device that is compatible with this format, such as an address book application. (See Connecting Your Device to Your Computer on page 269.)

1. Press > > **Contacts**.
2. Press > **Import/Export**.
3. Tap **Export to SD card**.
4. Tap **OK** to confirm your selection and to begin exporting your Contact List to the microSD card.

Sharing a contact

You can share a contact with someone by sending it to the person as a vCard file.

1. Press > > **Contacts**.
2. Open the contact you want to share.
3. Press > **Share**.
4. Choose the method for sending.

Accounts and Messaging

Email

Your device's Email application lets you access and manage multiple email accounts simultaneously in one convenient location.

Although there is a separate Gmail application, the main email application can manage both Internet based email services (Gmail™ and Yahoo!™) and Corporate Work Email (Outlook®). The device can also be manually configured to connect to other email systems.

Note
If you multiple email accounts, you must configure each account with its own settings.

If you want to send and receive email messages through an ISP (Internet Service Provider) account (such as Outlook), you will first need to set up an IMAP or POP account.

- Internet Message Access Protocol(IMAP – This mail retrieval protocol is frequently used in large networks and commercial and institutional settings. IMAP4 is the current standard.
- Post Office Protocol(POP - This protocol is supported by most ISPs and is currently more common among consumer applications. POP3 is the current standard.

Note

For more information, review your email carrier's support documents or contact your IT administrator.

Email Icons/Shortcuts

- Email shortcut

- Gmail shortcut

Status Bar - Notifications

- New Email message received

- New Gmail message received

Corporate Email (Outlook)

The main Email application also provides access to your Outlook Exchange server via your device. If your company uses Microsoft Exchange Server 2003, 2007 and 2010 as the corporate email system. You can use this email application to wirelessly synchronize your email,Contacts and directly with your company's Exchange server.

Important: This Outlook application does not utilize Microsoft® ActiveSync to synchronize the device to your remote Exchange Server. This synchronization is done wirelessly over the air(OTA) and not via a direct connection.

Setting Up a Corporate Email

1. Press > > **Email**.
2. Tap > **Accounts**.
3. Tap > **Add account**.
4. Enter your **Email address** and **Password** information, then tap **Next**. Consult your Network Administrator for further details.
   - **Email address**: Your Outlook work email address.
   - **Password**: Typically your network access password (case-sensitive).
5. Tap **Exchange** (from the add new email account screen).
6. Enter a Domain\Username, Password, and Server information and tap Next.
   - **Domain\Username**: Enter your network domain\login username.

- **Password**: Typically your network access password (Case-sensitive).
- **Server**: Your exchange server remote email address. Typically starts with mail.XXX.com. Obtain this information from your company network administrator.
- If your network requires SSL encryption, tap the Use secure connection (SSL) box to place a checkmark and activate this additional level of security.
- If your exchange server requires this feature, leaving this field unchecked can prevent connection.

Note

Signal interruptions or incorrect username or password information can cause completion issues.

7. Read the onscreen activation disclaimer and, if prompted, tap **Next**.
8. Configure your **Inbox checking frequency, Period to synchronize** (days to synchronize between your device and server), and activate any other email settings, then tap Next.
9. Identify your new account with a unique name and provide the outgoing name, then tap Done.

Important: You can synchronize over the air (not directly) with an Exchange Server running Microsoft Exchange Server 2003 Service Pack 2 (SP2) or Microsoft Exchange Server 2010.

Note

You can have multiple Work Email (Microsoft Exchange) accounts active on your device.

Opening Corporate Email

1. Press > > Email.

2. Tap a message to read, manage, or reply to.

   - From your Inbox screen, press to select options, such as **Refresh, Compose, Folders, Accounts,** or **Account settings.**
   - While in a message, press to select messaging options, such as **Delete, Forward, Reply, Reply all,** or **Mark as unread.**

Create and Send Email

1. From the Inbox, press > **Compose.**

2. Enter the recipient's email address in the To field.

- If you are sending the email to several recipients,separate the email addresses with a comma.
- You can add as many message recipients as you want.

Note

To send an additional carbon copy (Cc) or a blind carbon copy (Bcc) of the current email to other recipients, press > Add Cc/Bcc.

3. Tap the **Subject** field and enter the email subject.
4. Tap the **Body field** and compose your email.
   - To add a picture attachment, press > **Add attachment**.
   - You can access **Gallery** card and navigate to the file you wish to attach.
   - Tap the file you wish to attach.

To reply to an email message:

1. From the Inbox, tap an email message to view it.
2. With the email message displayed, tap either **Reply** or **Reply all**.

   – or –

With the email message displayed, tap and tap either Reply or Reply all.

- If you select Forward, you must specify the message's recipients.

3. Enter a new message body and tap Send.

To delete an email message:

- Touch and hold an email (from your inbox list) and tap Delete from the pop-up context menu.

  – or –

  With the email message displayed, tap Delete.

Configuring Corporate Email Settings

Account Settings: Allow you to configure various settings for your account.

1. Press > > **Settings** > **Accounts & sync**.
2. Tap the Corporate account to reveal the account's synchronization settings screen.
3. Place a checkmark next to each option if you want the device to automatically synchronize. If you want to manually

synchronize, press > **Sync now.**

To configure Corporate Email settings:

1. Press > > **Settings** > **Accounts & sync.**
2. Tap the Corporate account field to reveal the account's synchronization settings screen.
3. Tap **Account settings.**
   - **Account name**: Displays the name used by the device to track the account.
   - **Your name**: Displays the name that recipients view when receiving email from you.
   - **Signature**: To add a signature or other information to outgoing email.
   - **Period to synchronize email**: Configures how many days worth of emails the device and server should synchronize. Choose from: **One day,Three days, One week, Two weeks, or All.**
   - **Period to synchronize calendar** : Configures how many days worth of calendar the device and server should synchronize.. Choose from : Two weeks, One month, Three month, Six month, or All

- **Email check frequency**: Configures the frequency which the device queries the remote server for new email changes. Choose from: **Automatic (Push), Never, Every 15minutes, Every 30 minutes, Every hour, Every 2 hour, or Every 4 hour.**
- **Inbox Sort by** : Set the sort order of Inbox.
- **Choose from** : Date, Subject, Sender, or Size.
- **Roaming** : Auto retrieve while roaming.
- **Default account**: Assigns this account as the default account used when sending out new emails.
- **Ask before deleting:** When mail is going to delete the first asks whether to delete.
- **Email notifications**: Allows the phone to notify you when you receive new emails.
- **Select ringtone**: Allows you to assign a ringtone to notify you of new email.
- **Vibrate**: Allows you to set the phone to vibrate when new email is received.
- **Incoming settings**: Allows you to view and modify your

incoming server settings.

- **Sync contacts:** Synchronizes the contacts between your device and the remote exchange server. A checkmark indicates the feature is enabled.
- **Sync calendar**: Synchronizes your exchange calendar entries between your device and the remote exchange server. A check mark indicates the feature is enabled.
- **Out Of Office**

4. Press to return to the previous screen.

For more detailed Corporate email information, see Corporate Email (Outlook)on page 137. For more information on Corporate Calendar synchronizing,Synchronizing Corporate Calendar Events.

To create a Corporate Email Signature:

This signature can differ from any current Email signature on your local Outlook client. This signature is applied to any outgoing emails originating on your device.

1. Press > > **Settings** > **Accounts & sync.**
2. Tap the Corporate account to reveal the account's synchronization settings screen.
3. Tap **Account settings.**

4. Tap **Signature**.
5. Delete the current default text and enter your new email signature.
6. Tap **OK** to store the new signature.

Configuring Data Synchronization Settings

This feature allows you to determine which current applications are synchronized with the external server and at what intervals.

1. Press > > Settings > Accounts & sync.These settings can affect data minute usage, please refer to your current data plan for more details.
2. Tap any of the following options:
   - **Background data**: Allows data synchronization to occur as a background function and does not affect any current use of the device.
   - **Auto-sync**: Requires the device to maintain synchronized with the remote server providing data to your selected applications.
3. Press to store your changes and return to the Home screen.

Text Messaging and MMS

With text messaging (SMS), you can send and receive instant text messages between your wireless phone and another messaging-ready phone. When you receive a new message, you will be notified by your device.

Messaging is available via the Messaging application in your Applications screen. The icon appears in Status Bar when a new text message is received.

Note

See your service plan for applicable charges for text messaging and and SMS voicemail.

Composing Text Messages

1. Press > > **Messaging** > **New message**.
2. Tap the To: field and enter the recipient's phone number or email information using the onscreen keyboard.
   - **Contacts** As you enter either a phone number or email address, if the information matches a current contact's entry information, you will see a match. When you see a match, tap the associated name to complete the addressing.

- **Mobile** Tap to use the keypad to enter a wireless phone number directly.
- **Email** You can also enter the recipient's email address.

3. Tap a matching entry from the onscreen dropdown list. This list is populated by matches found from your managed accounts.
4. Tap the **Type** to compose field and enter your message.
5. Insert an Emoticon or a Smiley.
   - To enter an emoticon, touch and hold on the onscreen keyboard.
   - To enter a smiley from the menu options, press > Insert smiley. Make a selection from the list to insert it into your current message.
6. Review your message and tap **Send**.

Accessing Text Messages

To read a text message:

When you receive a text message, your phone will notify you. You can access the message by:

- Opening the Notification panel and tapping the text message notification.
- Press > > **Messaging** and selecting the new message.

To reply to a text message:

1. While viewing a message, tap the **Type to compose field**.
2. Compose your reply or use the preset messages or icons.
   - To enter a message, use your onscreen keyboard. (See Entering Text on page 60.)
3. Insert an emoticon or a Smiley.
   - To enter an emoticon, touch and hold

on the onscreen keyboard.
   - To enter a smiley from the menu options, press > **Insert smiley**. Make a selection from the list to insert it into

the message.

4. You may select additional messaging options by pressing .

   - Options include: **Call, View contact, Add subject, Attach, Insert Smiley, Preset Message, Set priority, Preset Message, Set priority, or More [Delete thread, All threads, and Add to Contacts].**

5. Review your reply and tap **Send**.

Multimedia Messaging (MMS)

With multimedia messaging (MMS), you can send and receive instant multimedia messages that contain text, pictures, audio, recorded voice, or a picture slideshow. Messaging is available via the Messaging application in your Applications screen.

Note

See your service plan for applicable charges for multimedia messaging and MMS voice messaging.

Composing MMS Messages

1. Press > > **Messaging** > **New message**.

2. Tap the To: field and enter the recipient's phone number or

email information. As you enter the phone number or email address, matching contacts appear onscreen. Tap an available matching recipient or continue entering the phone number or email address.

3. Tap the **Type to compose** field and enter your message.
4. Press > **Attach**.
5. Select a multimedia attachment type:

   - **Pictures**: Opens the Gallery application. Use the onscreen navigation to select the picture you wish to send with the outgoing message.
   - **Capture picture**: Opens the Camera application. Take a picture, and then tap OK to use this image in your message. (See Taking Pictures on page 226.)
   - **Videos**: Opens the Gallery application. Use the onscreen navigation to select a video and attach it to your outgoing message.
   - **Capture video**: Opens the Camcorder application. Record a video, then tap OK to use this video in your message. (See Recording Videos on page 232.)

- **Audio**: Opens a menu that allows you to choose between **Select music track** and **Sound Recorder**. Use the onscreen navigation with the **Select music track** option to **select an audio file** and tap **OK** or record a new audio file using the **Sound Recorder** option.
- **Record audio**: Opens the message recorder.
  - **Record Duration**: Displays the length of the recorded voice message.
  - **Record**: Starts recording your message.
  - **Play**: Plays back the current recording.
- **Stop**: Stops the recording. Once stopped, tap either Use this recording (attach it to your message) or Discard (delete the current recording and re-record).
- **Slideshow**: Opens the Edit slideshow menu.
  - Tap **Add slide** to create a new slide.
  - Tap the created slide (example, Slide 1), tap **Add picture**, and then select the picture you want to add to the slide.
  - Tap the text field below the image to enter a caption for the picture.

- When finished, tap **Done** to attach the slideshow to your message.

- **Contact (vCard)**: Opens your Contacts list and allow you to select a picture of a Contact to send.

Note

To remove or replace a picture or an audio attachment, on the Compose screen, tap the Remove or Replace button next to the attachment.

6. When you are finished creating your new MMS message, tap **Send MMS**.

To view and play a multimedia message:

1. Press > > **Messaging**.

2. From the message list, tap a multimedia message to open its contents.

3. While viewing a message, tap the play icon (on the video file) to playback the file or tap the image to view the picture.

Tip

The file attachment on the MMS message can be saved to the microSD card. To save the attachment, touch and hold the file and tap Save attachment from the Message options context menu.

To reply to a multimedia message:

1. Press > > **Messaging**.
2. From the message list, tap a multimedia message to open its contents.
3. While viewing a message, tap the **Type to compose** field and type your reply message.
4. Once completed, tap **Send**.

Note
When replying to an SMS message with an MMS message, first open the text message, press and tap or Attach. The original text message is then automatically converted into a multimedia message.

Deleting a Message or Message Thread

1. Press > > **Messaging**.
2. From the message list, touch a message and press .

   – or –

   Touch and hold the message thread to display the context menu.

3. Tap **Delete thread** and once prompted, tap OK to complete the process.

Adjusting Message Settings

1. Press > > **Messaging**.

2. From within the Messaging screen, press and tap **Settings**.

3. Adjust the following settings according to your needs:

- **Delete old messages** Enable this option to delete older text messages when the limit for maximum number of text messages is exceeded.
- **Text message limit** Sets the maximum number of text messages that can be stored on the device (per conversation).
- **Multimedia message** limit Sets the maximum number of multimedia messages that can be stored on the device (per conversation).
- **Signature** Tap this to automatically add signature (green checkmark dsiplays).

- **Callback Number** Check this to automatically add callback number (green checkmark displays).
- **Set priority** Select Normal or Urgent.
- **Message Reassembly** Enable this option (green checkmark displays) so that multi-segment messages can be reassembled and shown as a single message. Each segment will still count toward your usage.
- **Preset Message** Select a present message, such as "Call me" or "Where are you?"
- **Auto-retrieve** Enable this option to automatically retrieve the entire content of your MMS message. When checked, the MMS message header, message body, and any attachments will automatically download to your device.

  • If you disable this option, only the MMS message header will be retrieved and displayed.

- **Roaming auto-retrieve**. Disable this option if you only desire the MMS message headers to download while roaming. Enable this option to automatically download your complete multimedia messages even while roaming.
- **Set priority** Select Low, Normal, or High.

- **Notifications**. Enable this option if you wish to receive a notification in the Status Bar when a new text or multimedia message arrives.
- **Select ringtone**. Allows you to select a ringer to sound when a new message is received. Tap this option, and then select a ring tone that is specific to new text and multimedia messages. A sample will briefly be played upon selection.
- **Vibrate**. Enable this option if you want the device to vibrate when a new text or multimedia message is received.

Text Messaging and MMS

Your device's advanced messaging capabilities let you send and receive many different kinds of text messages.

Messaging settings allow you to decide how you would like to be notified of new messages, create a signature with each sent message, and create your own preset messages.

Viewing Notifications of Received Messages

When you receive a message, your device notifies you by displaying an icon within the Notification area at the top left of your Home screen.

- indicates a new text or MMS messages were received.

1. Press > > More > Notifications.

   – or –

   Touch and drag the Status Bar to the bottom of the screen.

2. Tap a message entry to open the Messaging application.

Deleting Old Text Messages

Delete messages or message threads you have read whenever you like, or have your device delete them automatically for you. A thread is a series of text conversations between two people. Deleting a thread will delete the sent and received messages in the conversation.

To delete a specific message thread:

1. Press > >**Messaging**.

2. Tap a thread to view the contents of that thread.

3. Press > **Delete thread**.

To delete all stored messages:

1. Press > > **Messaging.**

2. Press > **Delete threads.**

Gmail

This email client is Google's web-based email service. (See Synchronizing Your Google Account on page 179.)

From a computer, launch your preferred Web browser and navigate to www.gmail.com. Depending on your synchronization settings, Google Mail (along with calendar events, phone numbers and other contact information) on your device is automatically synchronized between your device and your Gmail account on the Web.

Note

You must have a valid and active Google account prior to using this email client.

- **Gmail is web-based**: Your messages are stored online, on Google™ servers, but you can read, write, and organize messages by using the Gmail application on your device or a web browser on a computer. Because your mail is stored on Google servers, you can search your entire message history,

backed by the speed and power of Google search. Any actions taken in the Gmail phone application are reflected on the web browser. For example, if you read a message in Gmail on your device, it will be marked as read in a Web browser. And a message that you send using a browser, or even a draft of a message, is visible in Gmail on the device.

- **Gmail is conversation-based**: Every related message is grouped in your Inbox as a single conversation tread. In other email applications, replies to messages are sent as individual messages, making it difficult to keep track of related messages. Gmail makes it easy to follow conversations with its conversation threads.

- **Gmail is organized by labels, not by folders**: By tagging messages with labels, you can organize your conversations in many different ways. Whereas in other email applications, each message can only be stored in one folder. For example, with Gmail you can label a conversation with your mother about your brother's birthday present with both "Mom" and "Dave." Later, you can look for the all messages containing either label. Using folders, you'd have to store the message in the "Mom" folder or the "Dave" folder, not both.

- **Gmail for the phone is optimized for mobile**: Some features

are only accessible on your computer browser. The best place to organize and learn about Gmail is the Web. For example, you can't use the Gmail application on the device to create the labels and filters that you use to organize your messages, but you can label a message. Gmail on the Web offers complete information about the service, so it's the best place to learn about all of the features of Gmail.

- **Gmail is for Gmail**: Of course you can use Gmail to send email to any email address, and anyone can send email to you at your Gmail address. But if you want to read messages from another email service provider (using your AOL, Yahoo!, or other email account), you must use the Email application. (See Email on page 137.)

Setting Up other Email accounts via the Device

The Email application only reveals all currently added Email accounts. To view additional email accounts within the main Email screen, they must first be added.

1. Press > > **Email**.
2. Follow the onscreen instructions to setup an Email account.
   - Tap **Manual setup** to configure your connection settings

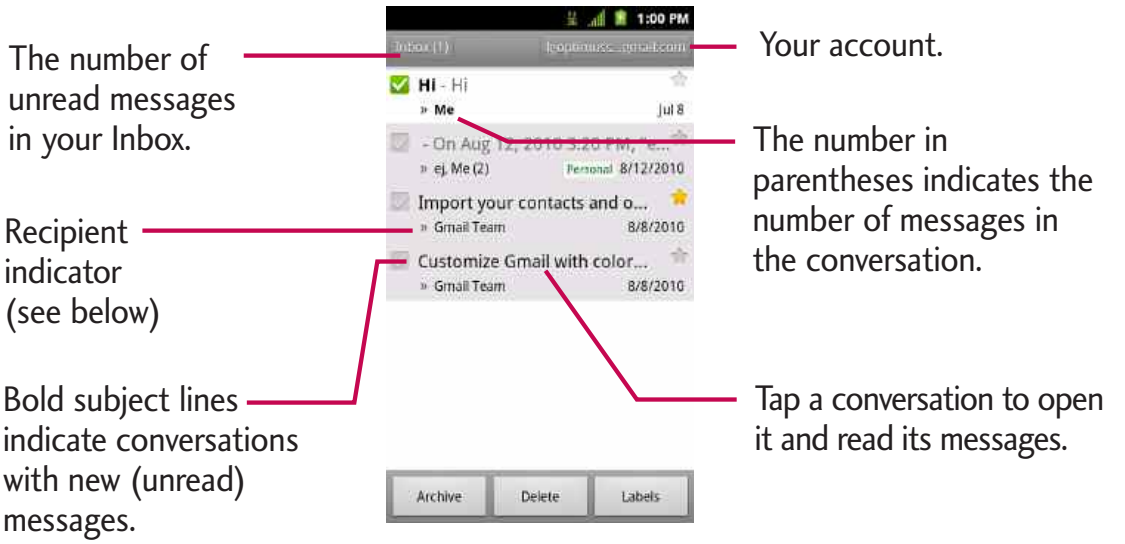
manually (POP3 or IMAP). Follow the onscreen prompts and enter the information specific to your carrier.

Opening Gmail and Your Inbox

When you open the Gmail application, the most recent conversations are displayed in your Inbox.

- Press > > **Gmail**.

All of your conversations are displayed in your Inbox unless you delete, archive, or filter them. Conversations with new messages are displayed with bold subject lines. To read a message in a conversation, tap the conversation. (See Reading Your Messages on page 164.)



>>: Indicates that this message was sent directly to you.

> : Indicates that you were CC'd on this message.

(No indicator): Indicates that this message was sent to a group that includes you.

To open your Inbox when Gmail is running:

- When reading a message, press > Go to Inbox.

  – or –

  When viewing a list of labeled conversations, press > **More** > **Go to Inbox**.

To switch accounts:

Gmail displays conversations and messages from one Google Account at a time. If you have more than one account, you can open the Accounts screen to view how many unread messages you have in each account and switch accounts.

1. From your Inbox, press > **Accounts**.

   – or –

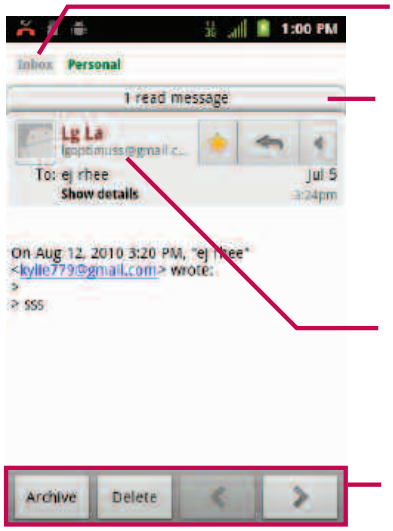
   Tap your account name at the top right corner of the Inbox screen.

2. Tap the account that contains the email you want to read.

Reading Your Messages

- Tap a conversation that contains the message you want to read.

  When you open a conversation, the first unread or starred message is displayed.



The message's labels will be displayed here.

This tab indicates how many read messages are in the conversation.

Tap to quickly contact the sender by Gmail, Google Talk, phone, or other available methods.

You can archive or delete the entire conversation or open the next or previous message.

The Google Talk online status will appear next to the name of the sender of each message if the sender has a Google account. If you want to contact the sender, touch the Contact's picture ID to open Quick Contact. (See Communicating with Your Contacts on page 131.) When reading messages in a conversation, you can use the buttons at the bottom of the screen to archive the entire conversation (see Archiving Conversations on page 174.) or Delete to delete it. After you delete a conversation, you can touch Undo in

the yellow bar that appears at the top of the Inbox screen to return the message to the Inbox. You can scroll to the bottom of a message to access buttons for replying to or forwarding the message, as described in Replying to or Forwarding a Message.

To reread a message:

When you open a conversation, messages that you've already read are minimized into a tab that indicates the number of hidden messages.

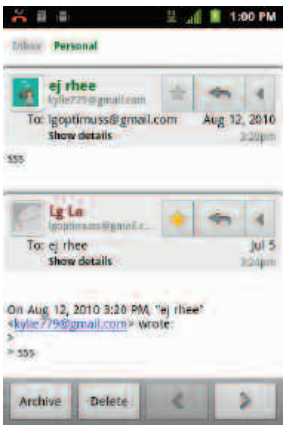
1. Press > > **Gmail**.

2. Tap the conversation you want to view, then touch the tab indicating minimized messages.

Tap the tab that indicates the number of read messages to view their summary tabs.

3. Tap the contact name to open that message.

Touch the contact name of a message to open and read it.



When reading a message or when its tab is selected, you can press > **Mark** Unread to return a read message to the unread state. For example, to remind yourself to read it again later.

Composing and Sending a Message

You can compose and send a message to people or groups with Gmail addresses or other email addresses.

To compose and send a message:

1. Press > > **Gmail**.
2. Press > **Compose**.
3. Enter a recipient's address. As you enter text, matching addresses are displayed from your Contact list. You can tap a suggested address or continue entering text to enter a new one.
4. Press > **Add Cc/Bcc** to Cc or Bcc recipients, if necessary.

5. Enter a subject for the message in the **Subject** field.
6. Continue into the next field to compose your email message.
7. Press > **Attach** to add an attachment to the email.
8. Tap the Send button to send the email.

   – or –

   If you're not ready to send the message, tap **Save as draft** instead. You can read your drafts by opening messages with the Drafts label. (See Viewing Conversations by Label on page 172.)

   – or –

   Tap Discard to erase the message (including any saved drafts).

Note

If you aren't connected to a network - for example, if you're working in Airplane mode - the messages that you send are stored on your device, with the Outbox label until you connect to a network again.

Replying to or Forwarding a Message

You can continue an email conversation by replying to a message or by forwarding it.

To reply to or forward a message:

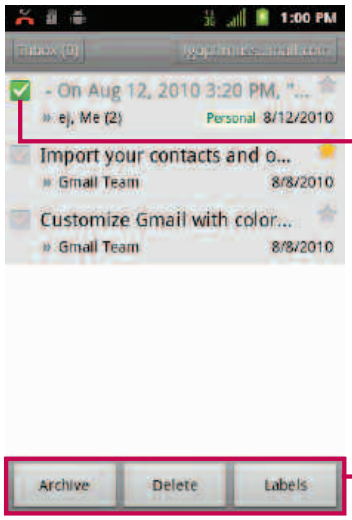
1. Scroll to the bottom of a message.
2. Tap **Reply**, **Reply** to **all**, or **Forward**.
   - Replying to or forwarding messages without changing the subject adds your reply to the current conversation. Changing the subject starts a new conversation.
   - The message will open in a new screen where you can add or remove addresses, edit the subject, and add or remove text or attachments, as described in Composing and Sending a Message.
   - You can add one or more people to an ongoing conversation by replying to all and then adding the new person's address(es) to the message.
   - All of the messages in the conversation are included in the new message; any messages that follow the message you forward are omitted.
3. Tap Send to send the email.

Working with Conversations in Batches

With Gmail, you can archive, label, delete, or perform other actions on a batch of conversations at once.

1. From the Inbox or another label, tap the checkmark box to the left of each message for all the messages you want to include in the batch.

   - When you checkmark a conversation, the Archive, Delete, and Labels buttons appear at the bottom of the screen.



Tap to include the message in the batch.

Touch to select an action for the batch or press for more options.

2. Tap Archive, Delete, or Labels. You can also press > **Add star, Report spam, Mute, Mark read/Mark unread,** or **Deselect all.**

   - The chosen action affects the selected batch of messages. If

you accidentally delete a batch of conversations, you can tap Undo in the yellow bar (that appears briefly after the action) at the top of the Inbox screen to return the messages to the Inbox or appropriate label. You can also use Undo after muting, archiving, and reporting spam. If you never work with batches of messages, you can hide the check boxes to leave more room for the subjects of conversations. (See Changing Gmail Settings on page 177.)

Labeling a Conversation

As mentioned previously, conversations are organized by labels. Gmail has several default labels, but you can also add your own through Gmail on the Web.

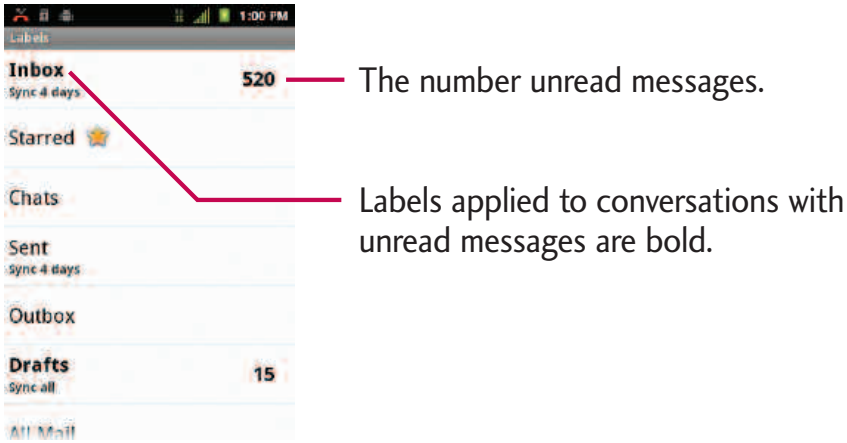
To label a conversation or change a conversation's labels:

1. When viewing a conversation press > **Change labels.**
2. In the dialog box that opens, check the labels you want to assign to the conversation and tap **OK**.

To label a batch of conversations at once:

You can assign or change the labels of one or more conversations at once.

1. From your Inbox or another label, checkmark the conversations to select a batch. (See Working with Conversations in Batches on page 169.)



2. Tap **Labels** at the bottom of the screen.
3. In the dialog box that opens, check the labels you want to assign to the conversation.
4. Tap **OK**.

Starring a Message

You can star an important message or conversation to make it easy to locate again. To view just conversations with starred messages, see Viewing Conversations by Label on page 172 and view the Starred label.

To star a message:

- When reading a message, tap the star in its header.

  – or –

When viewing the list of conversations, tap a conversation's star to start the newest message in the conversation.

To unstar a message:

- Tap its star again.

To star or unstar all messages in a conversation:

- Tap a star in a conversation list.

Viewing Conversations by Label

You can view a list of the conversations that have the same label, including conversations with starred messages. (See Labeling a Conversation on page 170 or Starring a Message on page 171 for information about assigning labels and stars.)

1. When viewing your Inbox or another label, press > **Go to labels.**
2. Tap a label to view a list of conversations with that label.

Note

The conversation list will resemble your Inbox. Most of the options available while using your Inbox will also be available while viewing these lists of labeled messages.

Reporting Spam

The Gmail webmail service is quite effective at preventing spam (junk mail) from reaching your Inbox. When you do receive spam you can help improve the Gmail service by reporting the conversation as spam.

To report a conversation as spam:

- When reading the email, press > **More** > **Report spam**.

  – or –

  From the Inbox, tap the checkmark to select the messages, then press > **More** > **Report spam**.

When you report a conversation as spam, the conversation (and all its messages) are removed from your Inbox. You can view the messages you've marked as spam by switching to the Spam label. (See Viewing Conversations by Label on page 172.)

Searching for Messages

With the Gmail application, it is very easy to search and find specific emails. When you search for emails, all of the emails in your Google account on the web are included in your search (except those labeled Trash or Spam), not just those that you've synchronized onto your device. You can also use the advanced

search options as described on the Gmail website.

1. From the Inbox, press > **Search**.

   – or –

   From the Inbox, press .

2. Enter the word or words to search for, then tap the Search icon to the right of the text field. A list of results will appear, displaying all of the conversations with emails that contain the word(s) you searched for.

Archiving Conversations

You can archive conversations, to move them out of your Inbox without deleting them. Archived conversations are assigned the All Mail label, and also retain any other labels you've assigned to them. Archived conversations are also included in search results. If someone replies to a message that you've archived, its conversation will be restored to your Inbox.

To Archive a conversation:

- From your Inbox, touch and hold a conversation then tap Archive in the menu that opens.

  – or –

Checkmark one or a batch of conversations in your Inbox, then tap the Archive button. (See Working with Conversations in Batches on page 169.)

– or –

When reading a message, tap the Archive button at the bottom of the screen.

Archiving Conversations

The Gmail webmail service has the resources to store all the messages you've ever sent or received; your device does not. To save space, Gmail downloads only some of your messages to your device. Use the Settings application to control how and when applications synchronize their data. (See Synchronizing Accounts on page 179.)

To select which conversations to synchronize:

1. Press > > **Gmail**.
2. Press > **More** > **Settings** > **Labels**.
   The Synchronization settings screen opens, displaying a list of your Gmail labels. Below each label is its current synchronization setting: **Sync all, Sync 4 days**, or with no label. (Conversations with no label are not synchronized.)

3. Tap a conversation label whose synchronization settings you want to change. Choose from the following options:

   - Sync none: Don't download any conversations that only have this label.
   - Sync 4 days: Download the previous 4 days (or number of days you set) of conversations.
   - Sync all: Download all conversations with this label.

To set how many days of conversations to synchronize:

1. Press > > **Gmail**.
2. Press > **More** > **Settings** > **Labels**.
3. Tap **Number of days to sync**.
4. Enter the number of days, then tap the **OK** button.

Appending a Signature to Your Messages

You can add a signature to every email you send, such as your name, contact information, or any personal message.

1. Press > > **Gmail**.
2. Press > **More** > **Settings** > **Signature**.

3. Enter a signature or other information.

4. Tap **OK**.

Changing Gmail Settings

You can change a number of settings for Gmail. Each Google account has its own settings, so your changes affect only the current account. (See To switch accounts on page 163.)

Notification volumes and some synchronization settings can also be changed in the Settings application.

1. Press > > **Gmail**.

2. Press > **More** > **Settings**.

General settings:

- **Signature**: To add a signature or other information to outgoing email. (See Appending a Signature to Your Messages on page 176.)
- **Confirm delete**: If checkmarked, this feature will display a dialog asking you to confirm whenever you want to archive, delete, or send a message.
- **Auto-advance**: Allows you to choose what screen to display after you delete or archive conversation.

- **Message text size**: Allows you choose the size of the text in a message for easier viewing.
- **Batch operations**: When checkmarked, this feature allows you to perform various operations on multiple conversations at once
- **Clear search history**: Removes the search history all searches performed on your Gmail account.
- **Labels**: Allows you to manage which conversations are synchronized and how often.

Notification settings:

- **Email notifications**: When checkmarked, the phone will notify you whenever you receive new email. (See Using the Notifications Panel on page 35.)
- **Select ringtone**: Allows you to choose a ringtone to sound when you receive a new email notification.
- **Vibrate**: When checkmarked, the phone will vibrate when you receive a new email notification.

Synchronizing Accounts

Your device is able to synchronize data from a variety of different sources or sites. These accounts can range from Google, a Corporate Exchange Server, and other social sites, including Facebook, Twitter, and MySpace.

Corporate and Google accounts are also able to synchronize Calendar events and Contacts.

To enable the auto-sync feature:

1. Press > > **Settings** > **Accounts & sync.**
2. Tap **Auto-sync**. A checkmark indicates the feature is enabled.
   - Tap an account you've already set up to choose the type of data you want to synchronize. For example, you can choose to sync your Google Calendar and/or Gmail data.

Synchronizing Your Google Account

By default, there are no accounts managed by the device. These must be added manually.

To add an account (using a Google account type as an example):

1. Press > > **Settings** > **Accounts & sync.**
2. Tap **Add account** > **Google**.

3. Tap **Next** > **Sign in.**

Note

If you do not already have a Google account, tap Create (instead of Sign in) follow the onscreen prompts to create your new account.

4. Tap the **Username** and **Password** fields and enter your information.

5. Tap **Sign in**. Your device communicates with the Google servers to confirm your information. Your existing Gmail account appears within the **Manage accounts** area of the screen.

   - If Auto-sync is selected, changes or updates to your Gmail account are then automatically updated to your device.

To configure the Google sync settings:

1. Press > **Settings** > **Accounts & sync.**

2. Tap the Google account to reveal the account's synchronization settings screen.

3. Tap the type of data you wish to synchronize (**Sync Contacts, Sync Gmail, and Sync Calendar**). Note that **Auto-sync** must be selected (in the previous screen) for these options to become available.

4. Press to return to the previous screen.

Synchronizing Your Corporate Account

Your device is capable of synchronizing with your company's Exchange Servers.

To add a new Corporate account:

1. Press > > **Settings** > **Accounts & sync**.
2. Tap **Add account** > **Corporate**.
3. Follow the onscreen prompts to create your new Corporate email account. (See Corporate Email (Outlook) on page 137.)
   - If **Auto-sync** is selected, changes or updates to your Corporate/Outlook account are synchronized to your device.

To configure the Corporate account settings:

1. Press > > **Settings** > **Accounts & sync**.
2. Tap the Corporate account.
3. Tap the options you wish to configure:
   - **Account name**: Displays the name used by the device to track the account.
   - **Your name**: Displays the name that recipients view when receiving email from you.

- **Signature**: To add a signature or other information to outgoing email.
- **Period to synchronize email**: Configures how many days worth of emails the device and server should synchronize. Choose from: **One day,Three days, One week, Two weeks, or All.**
- **Period to synchronize calendar** : Configures how many days worth of calendar the device and server should synchronize.. Choose from : Two weeks, One month, Three month, Six month, or All
- **Email check frequency**: Configures the frequency which the device queries the remote server for new email changes. Choose from: **Automatic (Push), Never, Every 15minutes, Every 30 minutes, Every hour, Every 2 hour, or Every 4 hour.**
- **Inbox Sort by** : Set the sort order of Inbox.
- **Choose from** : Date, Subject, Sender, or Size.
- **Roaming** : Auto retrieve while roaming.
- **Default account**: Assigns this account as the default account used when sending out new emails.
- **Ask before deleting:** When mail is going to delete the first

asks whether to delete.

- **Email notifications**: Allows the phone to notify you when you receive new emails.
- **Select ringtone**: Allows you to assign a ringtone to notify you of new email.
- **Vibrate**: Allows you to set the phone to vibrate when new email is received.
- **Incoming settings**: Allows you to view and modify your incoming server settings.
- **Sync contacts:** Synchronizes the contacts between your device and the remote exchange server. A checkmark indicates the feature is enabled.
- **Sync calendar**: Synchronizes your exchange calendar entries between your device and the remote exchange server. A check mark indicates the feature is enabled.
- **Out Of Office**

4. Press to return to the previous screen.
5. For more detailed Work/Corporate email information, see Corporate Email (Outlook) on page 137 For more information

on Corporate Calendar synchronizing, see Displaying and Synchronizing Calendars on page 245.

Privacy: Factory Data Reset

Resetting the device restores all the factory defaults, including personal data from internal device storage, information about your Google Account, any other accounts, your system and application settings, and any downloaded applications. Resetting the device does not erase any system software updates you've downloaded or any files on your microSD card, such as music, pictures, or applications. After resetting the device, the next time you turn on the device, you're prompted to reenter the same kind of information as when you first started the device. See Activating Your Device on page ___.

1. Press > > **Settings** > **Privacy** > **Factory data reset**.
2. If you are certain that you would like to restore all factory settings, tap **Reset phone**.

Applications and Entertainment

All your device's features are accessible through the Applications list.

Android Market™

Android Market provides direct access to applications and games to download and install on your device.

Accessing the Market

1. Press > > **Market**.
2. If not already logged in with your Google account, tap **Next**.
3. Tap Sign in and enter your Google account information.
4. Touch **Accept** to agree to the Android Market termsof service.

Selecting and Installing a Google Application

1. Press > > **Market**.
2. Browse for an application. Once you have decidedon one, tap it to view its details.
3. Read the application descriptions and comments.
4. Tap **Install** (for free applications) or **Buy**.

Note

Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

5. If prompted, follow the onscreen instructions to pay for the application.
6. Check the progress of the current download by opening the Notification screen.
7. You will be notified when the item is downloaded and installed on your device.
8. On the Android Market screen, press tap Downloads, tap the installed application in the list,and then tap Open.

Launching an Installed Google Application

1. Press > .

   – or –

   Press > > **Market** > > **Downloads.**
2. Tap icon of the newly installed application.

Reinstalling a Google Application

If the Android Operating System is ever updated, any data contained on the device will be erased. The only data stored on the device are Google applications available via the Android Market.

Note
Pictures, videos and music are stored on the microSDcard. Applications can be stored on the microSD card as well as on the device.

Contacts and Calendars are stored remotely on your remote Google or Outlook servers.

1. Press > > **Market** > > **Downloads**.
2. Scroll through the list of previously downloaded Google applications and choose the one you wish to reinstall.
3. Follow the onscreen instructions.

Music

You can play audio files that are stored on your device's microSD card. Copy audio files from your computer onto the microSD card before you open the Music application. The Music application supports audio files in numerous formats, including MP3, M4A (DRM-free AAC files, from iTunes®), AMR, MIDI, and OGG Vorbis.

Music Player

1. Press > > **Music.**
2. You can select music tracks from the following tabs:
   - **Artists**: To display your music library sorted by artist.
   - **Albums**: To display your music library sorted by album.
   - **Songs**: To browse through your downloaded music library.
   - **Playlists**: To select a customized playlist you've created.
3. Once you've displayed a list of songs, you can browse through your available titles.
   - To listen to a song or playlist, tap it to begin playing.

Creating a Playlist

1. Press > > **Music** > **Songs**.
   All compatible music files are displayed.
2. Touch and hold a song you'd like to add to a playlist. A popup menu is displayed.
3. Press **Add to playlist** and select either Current playlist or New (to create a new playlist).
   - If you select **New**, delete the current default name, enter a name for your new playlist, then tap **Save**.

Assigning a Song as a Ringtone

1. Press > > **Music** > **Songs**.
2. Touch and hold a song you'd like to use as your new ringtone. A popup menu is displayed.
3. Tap **Use as phone ringtone** to set the selected song as your new default ringtone.
4. Confirm the song has been successfully assigned by navigating to your Phone ringtone menu.

- Press > > **Settings** > **Sound** > **Phone ringtone.**

5. Confirm the new song is selected.

Backing Up Your Downloaded Music Files

Although the downloaded files can only be played on your device and on your account, backing them up to your computer lets you access the files in case your microSD card is lost or damaged, or if you install a new microSD card. (See Connecting Your Device to Your Computer on page 269.)

1. Connect your device to your PC using a USBcable or the built-in connection on Bluetooth -enabled phones.
2. Use your computer to navigate to the microSDcard's **Music** folder.
3. Select and copy the music files to a folder on your computer's hard drive.

YouTube™

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content,including movie clips, TV clips, and music videos, aswell as video content such as video blogging,

informational shorts and other original videos.

1. Press > > **YouTube**.
2. To search for videos, press or tap .
3. Enter the text to search for or tap to search by voice.
4. If entering text, tap a suggestion below the search box or tap to search.
5. Scroll through the search results and tap a video to watch it.
6. Press to return to the previous page.

Note

It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, Press > **My account**. Then enter your username and password and tap Sign in.

GPS Navigation

GPS Services

Your device's built-in GPS capability gives you accessto a number of location-based services, including Maps, Navigation, and TeleNav™ GPS Navigator.

Activating Location Mode

Before using any of the location-based services, you must turn on your device's location mode.

1. Press > > **Settings** > **Location & security**.
2. Tap **Use GPS satellites** to place a checkmark and activate your GPS.

Activating Using Wireless Networks

This additional location feature uses open Wi-Fi and mobile network connections to assist in providing additional location accuracy.

1. Press > > **Settings** > **Location & security**.
2. Tap **Use wireless networks** to place a checkmark and activate this feature. (A green checkmark appears.)
   - Since this feature is based on Google's location service, you will need to agree to allow Google to collect anonymous information.
3. Tap **Agree** to accept the terms of service.

Google Maps™

You can use Google Maps to find your current location;to view real-time traffic conditions; to get detailed directions by foot, public transportation, bicycle, or car; and to navigate by using spoken, turn-by-turn driving instructions using the Google Maps Navigation (beta) service. You can search on a street map or a satellite image to locate an address or a landmark, and you can view some locations as if you were strolling down the street. If you join Google Latitude, you can view your friends' locations on your maps and share your location and other information with them. There are some locations that Maps does not have information about.

To launch the Google Maps application and view your location:

1. Press > > Maps

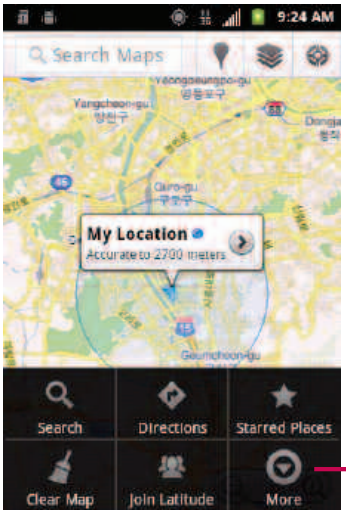
2. Tap .
   The map centers on a blue arrow that indicates your location. A blue circle around the dot indicates that your actual location is with in the circle.

To get an address and additional information for a location:

- Touch and hold a location on the map. A balloon with the address and a thumbnail from Street View (if available) opens over the location.
- Tap the balloon to access additional options.

To utilize Google Maps:

1. Press > > **Maps**
   - If prompted, read the What's new message and tap **OK**.
2. Tap the magnification icons to zoom in or out of the current map view.



Touch to open more menu items.

– or –

Press [menu] to utilize other Google Map features.

- Choose from: **Search**, **Directions**, **My Places**, **Clear Map**, **Join Latitude**, and **More**.

To search for a location:

1. While viewing a map, press [menu] > **Search**.

   – or –

   Simply press [search] .

2. In the search box, enter the place you're looking for.

   - You can enter an address, a city, or a type of business or establishment. For example, "theater in New York".

3. Tap .
   Markers with letter labels indicate search matches on the map.

4. Tap a marker to open a balloon that contains a label. Tap the balloon to open a screen with more information about the location, as well as options for obtaining directions.

To get directions:

1. While viewing a map, press > **Directions**.

2. Enter a starting point in the **My Location** field, or leave as is to allow GPS to find your location, and your destination in the **End point** field.

   - Tap to open a menu with options for selecting an address from your Contacts or a point that you touch on a map.

   - To reverse directions, press > **Reverse Start & End.**

3. Tap the icon for car, public transit, bicycling, or walking directions.

4. Tap **Get directions**. The directions to your destination appear in a list.

5. You can choose the directions format:

- Read directions as text.
- Tap **Show** on map to see the directions on a map.
- Tap **Navigate** to get spoken, turn-by-turn directions from Google Maps Navigation.
- When you're finished, press > **Clear map** to clear the map.
  - **Airport**: local airports based on current GPS location.
- **Places** lets you search for locations from dozens of names

Navigation

Another Google Maps navigation application is available on your device. It uses your current location (provided by GPS communication to your device) to provide various location-based services.

1. Press > > **Navigation**.

2. Read the onscreen disclaimer and tap Accept.

3. Choose from the following onscreen options:

   - **Speak Destination** to use the voice recognition feature to search for matching locations in your area.
   - **Type Destination** to manually enter a destination address.
   - **Contacts** to receive turn-by-turn directions to the address stored for a selected Contacts entry.
   - **Starred Places** to obtain directions to locations that have been starred within Google maps (maps.google.com)

Your device's data capabilities let you wirelessly access the Internet or your corporate network through a variety of connections, including:

Connecting to Wi-Fi Networks

Wi-Fi is a wireless networking technology that can provide Internet access at distances of up to 100 meters, depending on the Wi-Fi router and your surroundings.

To use Wi-Fi on your device, you must connect to a wireless access point, or "hotspot." Some access points are open and you can simply connect to them without entering any information. Others are hidden or implement other security features, so you must configure your device to connect to them.

Turn off Wi-Fi when you're not using it to extend the life of your battery.

When you connect to a Wi-Fi network, the device obtains a network address and other information it needs from the network, using the DHCP protocol. To configure the device with a static IP address and other advanced settings, press > Advanced from the Wi-Fi settings menu.

To turn Wi-Fi on and connect to a Wi-Fi network:

1. Press > .
2. Tap **Settings** > **Wireless & networks** > **Wi-Fi settings**.
3. Tap **Wi-Fi** to turn Wi-Fi on and scan for available Wi-Fi networks.
   - A list of available Wi-Fi networks will be displayed. Secured networks are indicated by a lock icon.
   - If the device finds a network that you have connected to previously, it automatically connects to it.
4. Tap a network to connect to it.
   - If the network is open, you will be prompted to confirm that you want to connect to that network by touching Connect.
   - If the network is secured, you will be prompted to enter a password. (Ask your network administrator for details.)
   - When you're connected to a network, you can tap the network name in the Wi-Fi settings screen for details about the speed, security, address, and related settings.

To receive notifications when open networks are in range:

By default, when Wi-Fi is on, you receive notifications in the Status Bar when your device detects an open Wi-Fi network.

1. Turn on Wi-Fi, if it's not already on.
2. From the Wi-Fi settings screen, tap **Network notification** to checkmark the box. Tap again to remove the checkmark and stop receiving notifications.

To add a Wi-Fi network:

You can add a Wi-Fi network manually if it does not broadcast its name (SSID) or if you want to add a Wi-Fi network when you are out of its range.

To add a secured network, you need to contact the network's administrator to obtain the password or other required security credentials.

1. Turn on Wi-Fi, if it's not already on.
2. From the Wi-Fi settings screen, tap Add **Wi-Fi network**.
3. Enter the Network SSID (name) of the network. If the network is secured, tap the **Security** drop-down menu and tap the type of security used for the network.
4. Enter the required passwords and security credentials.

5. Tap **Save**.

   The device will connect to the wireless network. Any credentials that you entered are saved, so you are connected automatically the next time you come within range of this network.

To forget a Wi-Fi network:

You can also make the device forget about the details of a Wi-Fi network that you have added. For example, if you don't want the device to connect to it automatically or if it is a network that you no longer use.

1. Turn on Wi-Fi, if it's not already on.
2. In the Wi-Fi settings screen, touch and hold the name of the network.
3. Tap **Forget network**.

Data Services

This section will help you learn the basics of using your data services, including managing your user name, launching a data connection, and navigating the Web with your device.

Important: Certain data services requests may require additional time to process. While your device is loading the requested service, the touchscreen or QWERTY keyboard may appear unresponsive when in fact they are functioning properly. Allow the device some time to process your data usage request.

Updating Your User Name

If you choose to change your user name and select a new one online, you must then update the user name on your device.

- Press > > **Settings** > **About phone** > **System updates** > **Update PRL.**
  - Your profile will be automatically updated by the network.

Launching a Web Connection

- Press > > **Browser.**

Note

You can connect to the Internet via Mobile network or via Wi-Fi (access by pressing > **Settings** > **Wireless & networks**).

Once the Browser loads, you are directed to the home page.

Tip

To change the default home page, press > **More** > **Settings** > **Set home page.**

Note

The Browser automatically launches when a Web link is touched from within an email or text message.

Virtual Private Networks (VPN)

From your device, you can add, set up, and manage virtual private networks (VPNs) that allow you to connect and access resources inside a secured local network, such as your corporate network.

Preparing Your Device for VPN Connection

Depending on the type of VPN you are using at work, you may be required to enter your login credentials or install security certificates before you can connect to your company's local network. You can get this information from your network administrator. Before you can initiate a VPN connection, your device must first establish a Wi-Fi or data connection. For information about setting up and using these connections on your device, see Launch a Web Connection on page 204 and Turn Wi-Fi On and Connect to a Wireless Network on page 200.

Setting Up Secure Credential Storage

If your network administrator instructs you to download and install security certificates, you must first set up the device's secure credential storage.

1. Press > > **Settings** > **Location & security** > **Set password**.
2. Enter a new password (at least eight characters without any spaces) for the credential storage, scroll down and confirm the password, and then tap OK.
3. Select the **Use secure credentials check** box.

You can then download and install the certificates needed to access your local network. Your network administrator can tell you how to do this.

Adding a VPN Connection

1. Press > > **Settings** > **Wireless & networks** > **VPN settings**.
2. Tap **Add VPN**, and then tap the type of VPN you want to add.
3. Tap **VPN settings** and set them up according to the security details you have obtained from your network administrator.

4. When finished, press > **Save**.

The VPN is then added to the VPNs section of the VPN settings screen.

Connecting to a VPN

1. Press > > **Settings** > **Wireless & networks** > **VPN settings**.
2. In the VPNs section, tap the VPN that you want to connect to.
3. When prompted, enter your login credentials, and then tap Connect. When you are connected, the VPN connected icon appears in the notification area of the title bar.
4. Open the Web browser to access resources such as intranet sites on your corporate network.

Disconnect From a VPN

1. Touch and drag down the Status Bar to open the Notifications panel.
2. Tap the VPN connection to return to the VPN settings screen, and then tap the VPN connection to disconnect from it.

When your device has disconnected from the VPN, the VPN disconnected icon is displayed in the notification area of the title bar.

Browser

Web pages that are optimized for mobile devices typically open at a size appropriate for your device. Often, you can't zoom or even scroll their contents. Web pages that aren't designed specifically for mobile devices typically open in overview mode- the page is zoomed out so you can get the big picture.

Learn to Navigate the Browser

Navigating through menus and websites during a data session is easy once you've learned a few basics. Here are some tips for getting around:

Scrolling

As with other menus on your phone, you'll have to scroll up and down to see everything on some websites.

To scroll a Web page:

- Slide your finger on the screen in the direction you wish to scroll.

Selecting

Once you've learned how to scroll, you can start navigating the Web.

To select items or links:

- Simply tap a link or an item.

Links, which are displayed as underlined text, direct you to Web pages, select special functions, or even place calls.

Going Back

To go back one page:

- Press on your device. Repeat this process to keep going back through your recently visited pages.

Finding and Copying Text on a Web Page

To find text on a Web page:

1. Press > **More** > **Find on page**.
2. Enter the text you're looking for.
   - As you type, the first word with matching characters is highlighted on the screen and subsequent matches are boxed.

3. Tap the left or right arrow to jump to and highlight the previous or next matching word.

To copy text from Web page:

1. Open a Web page and scroll to the beginning of the text you want to copy
2. Press > **More** > **Select text**.
3. Use your finger to drag across the text you want to copy. The text you selected is copied to the clipboard. You can now use the techniques described in Entering Text to paste the copied text into a text field.

Going to a Specific Website

To go to a particular website by entering a URL(website address):

1. Tap the URL field (top of the Browser window) and enter a new Web address.
   - As you enter the address, possible matches are displayed. Tap an entry to launch the desired website.
2. Tap to launch the new page.

Browser Menu

The Browser menu offers additional options to expand your use of the Web on your device.

Opening the Browser Menu

The Browser menu may be opened anytime you have an active data session, from any page you are viewing.

- From any open Web page, press .

Options available within the Browser menu include:

- **New window**: Launches a new Browser window while maintaining the current Web page active.
- **Bookmarks**: Allows you to access and manage your Bookmarks.
- **Windows**: Displays the currently active Browser windows as a list. Tap a window entry to launch that window.
- **Refresh**: Reloads the current Web page and displays the most current information.
- **Forward**: Forwards you to a previously viewed page.
- **More**: provides the following additional Browser options:

- **Add bookmark**: Allows you to assign the current Web page as a new bookmark.
- **Find on page**: Allows you to search the current Web page for a word.
- **Select text**: Allows you to select text from the current Web page and copies it to the clipboard.
- **Page info**: Displays the Name and URL (website address) of the Web page you're currently viewing.
- **Share page**: Allows you to send a URL via Bluetooth, Email, Gmail, and Messaging.
- **Downloads**: Displays your download history.
- **Settings**: Allows you to configure and manage your Browser settings.

Adjusting Browser Page Settings

1. Press to open the Browser menu.
2. Tap **More** > **Settings**.
3. In the **Page content settings** area, select from one of the following Web page settings:

- **Text size**: Allows you to increase or decrease the size of the text that the Browser uses when displaying Web pages. Options include: **Tiny, Small, Normal, Large**, or **Huge**.
- **Default zoom**: Allows you to increase or decrease the magnification level that the Browser uses when first opening a Web page. Choose from: **Far, Medium,** or **Close**.
- **Open pages in overview**: When checkmarked, Webpages are displayed in an overview. If the checkmark is removed, the Web page is displayed at 100% size.
- **Text encoding**: Allows you to change the character-encoding standard that the Browser uses when displaying text on a Web page.
- **Block pop-up windows**: When checkmarked, this feature allows the device to block pop-up windows and prevent websites from opening windows unless you request it.
- **Load images**: When checkmarked, this feature allows the Browser to load images when displaying a Web page. Remove the checkmark to allow the Browser to omit images when displaying a Web page.
- **Auto-fit pages**: When checkmarked, the Browser optimizes

the presentation text and other elements of Web pages to fit your device's screen. If the checkmark is removed, Web pages can be viewed as designed for a computer screen.

- **Landscape-only display**: When checkmarked, this feature allows your device to display pages in landscape (horizontal) orientation on your screen, regardless of how you are holding the device.
- **Enable JavaScript**: When checkmarked, the Browser allows JavaScript to run. Remove the checkmark to prevent JavaScript from running.
- **Enable plug-ins**: When checkmarked, plug-ins are enabled on Web pages. Remove the checkmark to disable plug-ins from Web pages.
- **Open in background**: When checkmarked, links opened in a new window will open in the background. If the checkmark is removed, new windows will open in place of the current window.
- **Set home page**: Allows you to enter a URL to set as your Home page. (See Setting the Browser Home Page on page 216.)
- **Invert color** : Display pages in inverted color.

4. Press to return to the Browser.

Adjusting Browser Page Settings

1. Press to open the Browser menu.
2. Tap **More** > **Settings**.
3. Navigate to the **Privacy settings** area and select from one of the following privacy settings:
   - **Clear cache**: Clears all currently cached content and databases. Tap **OK** to complete the process.
   - **Clear history**: Clears the Browser navigation history. Tap **OK** to complete the process.
   - **Accept cookies**: When checkmarked, your device allows Web pages to store cookies. Remove the checkmark to prevent Web pages from storing cookies on your device.
   - **Clear all cookie data**: Clears all current Browser cookie files.
   - **Remember form data**: When checkmarked, the Browser remembers what you entered in a form on a site and displays matching entries when entering text in a form. Remove the checkmark to disable this feature.

- **Clear form data:** Deletes all the information the Browser remembers about what you've entered informs. Tap **OK** to complete the process.
- Enable location: When checkmarked, you permit websites with location-specific content to ask whether you want to share your location, using your device's GPS. To provide a website with your location, you must also have location sharing enabled in the **Settings** application.
- Clear location access: Allows you to clear the permissions to access your location that you've granted to websites in the past. If those websites want permission to access your location again, you must grant it again.

4. Press to return to the Browser.

Adjusting Browser Security Settings

1. Press to open the Browser menu.
2. Tap **More** > **Settings**.
3. Navigate to the **Security settings** area and select from one of the following security settings:
   - **Remember passwords**: The Browser can remember your

usernames and passwords for some Web pages that require you to log in to make it quicker to access those pages on repeat visits. Remove the checkmark to prevent the Browser from storing usernames and passwords.

- **Clear passwords**: Deletes all saved passwords that the Browser has stored. Tap **OK** to complete the process.
- Show security warnings: When checkmarked, you will be notified if there is a security issue with the current website. Remove the checkmark to disable this function.

4. Press to return to the Browser.

Setting the Browser Home Page

1. Press to open the Browser menu.
2. Tap **More** > **Settings** > **Set home page**.
3. Delete the current address and enter a new URL. If you are viewing the Web page you want to set as the Home page, tap Use current page instead.
4. Tap **OK** to complete the process.

Resetting the Browser to Default

1. Press to open the Browser menu.
2. Tap **More** > **Settings** > **Reset to default**.
3. Tap **OK** to complete the process.

Creating Website Settings

1. Press to open the Browser menu.
2. Tap **More** > **Settings** > **Website settings**. These advanced settings that can be configured for individual sites (ex: Clear location access).
3. Tap **OK** to complete the process.

Creating Bookmarks

You can bookmark Web pages so that you can quickly return to them.

1. From any open Web page, press to open the Browser menu.
2. Tap Bookmarks. Three tabs are revealed:

Shortcut

From any open Web page, tap (located next to the URL).

- **Bookmarks**: Displays a list of your current bookmarks.
- **Most visited**: Displays a list of your most frequently visited websites.
- **History**: Displays a record of your browsing history. These records are organized into folders such as: Today, Yesterday, 5 days ago, and 1month ago.

3. In the Bookmarks tab, tap **Add**.
4. Enter a descriptive name and URL for the new bookmark
5. Tap **OK** to store the new entry to your Bookmarks list.

To create Bookmarks from other Tabs:

1. From any open Web page, press >Bookmarks.

   – or –

   From any open Web page, press .
2. Tap either the **Most visited** or **History** tab.
3. Tap the star icon adjacent to a Web page entry. The star now turns gold. This adds the “starred” website to your current Bookmarks list.

– or –

Touch and hold an entry from the list to display a popup menu. Then, tap Add bookmark to add the selected entry to your current list of bookmarks.

To create a New Homepage:

1. From any open Web page, press >Bookmarks.

   – or –

   From any open Web page, tap .

2. Tap either the **Most visited** or **History** tab.

3. Touch and hold an entry from the list to display a popup menu.

4. Tap **Set as homepage** to assign the selected entry as your new homepage.

Adding Bookmarks to Your Home Screen

1. From any open Web page, press > **Bookmarks.**

   – or –

   From any open Web page, press .

2. Touch and hold an existing entry from the list to display a popup menu.
3. Tap Add shortcut to Home to add the selected entry to your Home screen.

Voice Dialer

You can use your device's built-in automatic speech recognition (ASR) software, called Voice Dialer, to dial a phone number in your Contacts or to launch device functions without having to go through the phone menus. All you have to do is to talk into the phone, and ASR will recognize your voice and complete tasks by itself.

Note

The Voice Control (Speech to Action) feature will not launch if you are currently in an active menu.

Activating Voice Dialer

- Press > > **Voice Dialer**.

The screen displays "Listening" and the phone prompts you to say the name of the command you want to use. To complete your task, simply follow the voice prompts or touch an onscreen option.

Available ASR commands include:

- **Call** <Name> to call an entry in your Contact List.(See Making a Voice Call With Voice Dialer on page 222.)
- **Dial** <#> to call a spoken phone number.
- **Redial** to call back the last Contact you dialed.
- **Open** <Menu> to jump directly to menu items or applications. (See Opening Menus With Voice Dialer on page 223.)

Tip

Use Voice Dialer in a quiet environment so it can accurately recognize your commands.

Making a Voice Call With Voice Dialer

1. Press > > **Voice Dialer**.

2. When you see "Listening," say "**Call**" followed by the name and the label for the phone number you wish to call. For example, say "**Call John Smith Mobile.**" The device dials the number stored for the contact "John Smith" with the label "**Mobile.**"

   - If the location is not recognized or the name does not have a phone number stored in Contacts, your device will display a list of possible options.

   - If a name has only a single number, or if you know the name but are not sure which number to call, say "**Call**" followed by the name only. For example, say "**Call John.**" If the name is recognized and there is only one phone number for the name, your device immediately places the call.

Calling a Phone Number with Voice Dialer

1. Press > > **Voice** Dialer.

2. When you see "Listening," say "Dial" followed immediately by a phone number, for example, say "Dial 555 555 5555."

3. Speak naturally and clearly and remember to speak one digit at

a time—1-800 should be pronounced “One Eight Zero Zero. Speak naturally and clearly and remember to speak one digit at a time—1-800 should be pronounced “One Eight Zero Zero.”

Opening Menus With Voice Dialer

The Voice Dialer application allows you to directly open many menu items or applications by saying voice commands.

1. Press > > **Voice Dialer**.
2. When you see “Listening,” say “**Open**” followed by a menu or application.
3. If a list of valid actions is displayed, tap an action, the device opens the selected menu.

Text-to-Speech

The text-to-speech feature allows the device to provide a verbal readout of onscreen data such as messages and incoming caller information (based on Caller ID).

Text-to-Speech Settings

1. Press > > **Settings** > **Voice input & output** > **Text-to-speech settings.**

2. Configure any of the following Text-to-Speech settings:

   - **Listen to an example:** Plays a short example of what the text-to-speech feature will sound like on your device when activated.
   - **Always use my settings:** Allows you to override the application settings with those configured within this menu.
   - **Default Engine:** Sets the speech synthesis engine to be used for spoken text.
   - **Install voice data:** Installs the voice data required for speech synthesis.
   - **Speech rate:** Allows you to adjust the rate at which the displayed text is spoken by the device. Choose from: **Very slow, Slow, Normal, Fast, and Very fast.**
   - **Language:** Allows you to assign the language used by the verbal readout. Choose from **German (Germany), English (United Kingdom), English (United States), Spanish (Spain), French (France), or Italian (Italy).**

- **Pico TTS:** Allows you to configure the Pico TTS language settings.

Voice Search

Voice Search uses built-in voice recognition software to listen to your spoken words, convert those to text, then launch a Google search using that text.

1. Press > > **Voice Search**.
2. Speak clearly into the microphone. If an error occurs, tap **Speak again**.
3. You can then touch a matching entry from the Google search page to direct you to the item you are searching.

You can use the camera or camcorder to take and share pictures and videos. Your device comes with a 3.2 megapixel camera with an autofocus feature that lets you capture sharp pictures and videos.

Camera and Video

You can take pictures and record videos using the Camera application. You can also view your pictures and videos with the Gallery application.

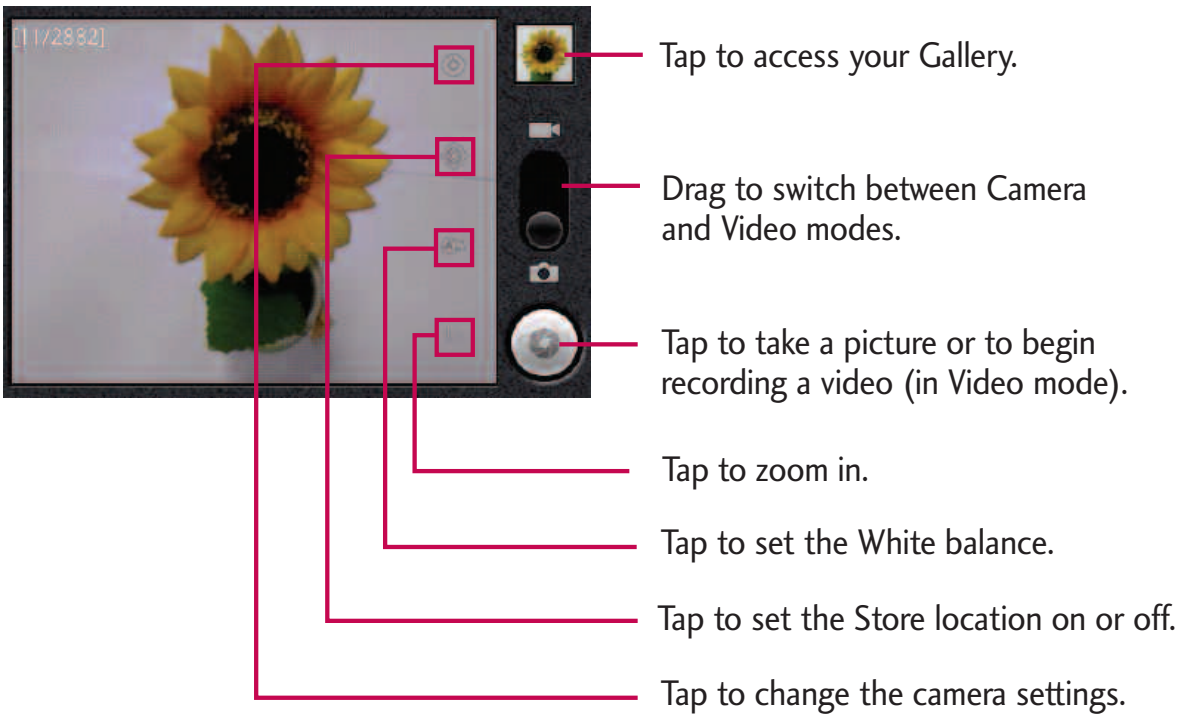
Note

Pictures and videos are stored in a microSD card. Please make sure that the device has a microSD card inserted before taking pictures or recording video.

Be sure to clean the protective lens cover with a microfiber cloth before taking pictures. A lens cover with smudges from fingers can cause blurry pictures with a “halo” effect.

Taking Pictures

Taking pictures with your device’s built-in camera is as simple as choosing a subject, pointing the lens, and pressing a button.


Tap to access your Gallery.
Drag to switch between Camera and Video modes.
Tap to take a picture or to begin recording a video (in Video mode).
Tap to zoom in.
Tap to set the White balance.
Tap to set the Store location on or off.
Tap to change the camera settings.

To take a picture:

1. Press and hold the camera button located on the right side of the device.

   – or –

   Press > > Camera to activate camera mode. (Additional camera options are available through the camera settings page. See Camera Settings on page 227 for more information.)

2. Frame your subject on the screen.
3. Press or tap until the shutter sounds. The camera brings the image into focus. When the image is in focus, the focus indicators in each corner turn green and the camera takes a picture. (Your device automatically saves the picture to the microSD card.)

Camera Settings

From the camera mode, tap each icon to adjust the following camera settings.

- **Settings**
  - **Focus mode** to set the focal properties of the camera lens.Choose from **Auto** (default), **Normal**, **Macro** (close upimages), or **Off**.

- **Picture size** to set the size of your picture. Choose from **3M Pixels, 2M Pixels, 1M Pixels, VGA**, or **QVGA**.
- **Picture quality** to set the image quality for your picture. Choose from **Super fine, Fine**, or **Normal**.
- **Color effect** to apply different color effects to your pictures. Choose from **None, Mono, Sepia, Negative, Aqua, Sketch, Mono-Negative**.
- **ISO** to control the camera's sensitivity to light. Choose from **Auto** (default), **100**, **200**, **400**, or **800**.
- **Auto Review** to set whether to view the picture that was just taken. Choose from **No Review, 2secs(default),** or **5secs**.
- **Restore** defaults to restore the settings back to the default values.
- **Store location** to decide whether to use the device's GPS to include the location of each picture you take.
  - **On**: Location stored with picture.
  - **Off**: Location not stored with picture.
  - **White balance** to select how the camera adjusts colors in different kinds of light in order to achieve the most

natural-looking colors for your pictures. Choose from Auto, Incandescent, Daylight, Fluorescent, or Cloudy.

- 1x **Zoom** to zoom in on an object. You can adjust the zoom from 1x to 4x.

Viewing Your Pictures

The Gallery is where you can access the Gallery of stored camera images. You can view them in a slideshow, share them with your friends, and delete and edit them.

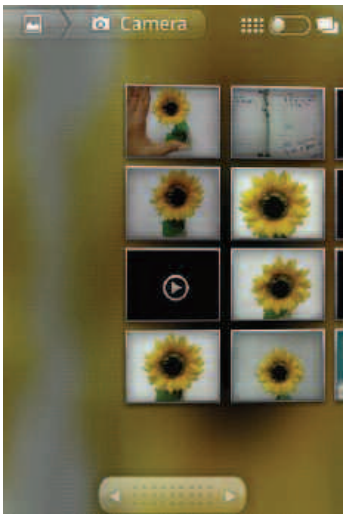
1. Press > > **Gallery**.
2. Select a location and tap an image to view your picture.
   - Tap an image to open it, and tap **Menu** or press for options, such as **Share**, **Delete**, and **More**.
   - Press to return to the previous screen.

Gallery Options

The Gallery application presents the pictures and videos on your microSD card, including those you've taken with the Camera application and those you downloaded from the Web or other locations.

If you have one of your device's Google™ Accounts, you'll also see your Picasa Web albums in Gallery.

1. Press > > **Gallery** to view the gallery of images stored on the microSD card.
   - Drag left or right to view more albums.
2. Tap an album to open it and view its contents. (The pictures and videos in the album are displayed in chronological order.)
3. Tap a picture in an album to view it.



- Tap at the top left of the screen to return to the main Gallery screen at any time.
- Tap **Slideshow** to watch a slideshow of the current album.
- Tap **Menu** to access the following options:
- **Share** to share the picture via **Picasa**, **Messaging**, **Gmail** or **Bluetooth** Color effect to apply different color effects to your videos.
- **Delete** to delete the picture.
- **More** to access options such as **Details, Set as, Crop, Rotate Left,** or **Rotate Right**.

Assigning Pictures

After taking a picture, assign it as a picture ID for a Contacts entry or as the Home screen background image (wallpaper).

1. Press > > **Gallery**.
2. Tap an album and tap an image to view it.
3. With the picture displayed, tap **Menu** > **More** > **Set as.**
4. Select an option.

- **Contact icon** to assign the picture to a Contact entry as a picture ID. Tap an entry from Contacts, crop the image and tap **Save** to assign the picture.
- **Wallpaper** to assign the picture as a background image, crop the image and tap **Save** to assign the picture.

Recording Videos

In addition to taking pictures, you can record, view, and send videos with your device's built-in video camera.

1. Press and hold the camera button located on the right side of the device, then drag the camera mode control to the Video position .

   – or –

   Press > > **Camera** and drag the camera mode control to the Video position .

   – or –

   Press > > **Camcorder**.

2. Point the lens to frame the scene where you want to start.
3. Tap to start recording the video. The length of the recording is displayed on the bottom left part of the screen.

4. Tap to stop recording. Your video will be automatically saved to the Gallery.

Video Settings

From video mode, tap each icon to adjust the following camcorder settings.

- **Settings**
  - **Color** effect to apply different color effects to your videos. Choose from **None**, **Mono**, **Sepia**, **Negative**, **Aqua**, **Sketch**, **Mono-Negative**.
  - **Restore defaults** to restore the settings back to the default values.
- **White balance** to select how the camcorder adjusts colors in different kinds of light in order to achieve the most natural-looking colors for your videos. Choose from **Auto, Incandescent, Daylight, Fluorescent,** or **Cloudy**.
- **Video quality** to set the video quality and maximum length combination appropriate for viewing on a computer or for sharing with others via Messaging or YouTube. Choose from **High(Max 2h), Low (Max 2h), MMS (Low, 30s), or YouTube(High, 10m)**

Video Gallery Options

The Gallery is where you can access the Gallery of stored video images. You can view them, share them with your friends, and delete and edit them.

1. Press > > **Gallery** to view the gallery stored on the microSD card.
   - Scroll left or right to view more albums.
2. Tap an album to open it and view its contents. (The pictures and videos in the album are displayed in chronological order.)
3. Press twice , then tap a video to place a checkmark and access the following options:
   - Tap **Share** to share the video via **YouTube**, **Messaging**, **Gmail** or **Bluetooth**.
   - Tap **Delete** to delete the video.
   - Tap **More** to view the details of the video.

To play a video:

1. Press > > **Gallery** to view the gallery stored on the microSD card.

- Scroll left or right to view more albums.

2. Tap an album to open it and view its contents. (The pictures and videos in the album are displayed in chronological order.)

3. Tap a video in an album to play.

- Tap the video to view the playback controls.

Learn how to use many of your device's productivity-enhancing features.

Calendar

Viewing Your Calendar and Events

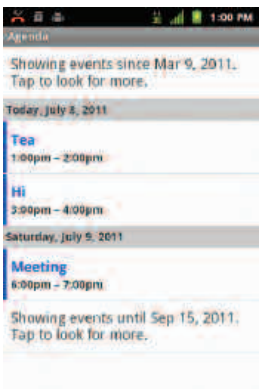
Use the Calendar application you can view the events you have scheduled in the coming days, weeks, or months.

To open your Calendar application:

- Press > > **Calendar**.

  If you have created or subscribed to more than one calendar through Google CalendarTM on the Web, events from each calendar are displayed in a different color. (For information about which calendars are displayed on your device, see Displaying and Synchronizing Calendars on page 245.)

Agenda view



Day view

Week view

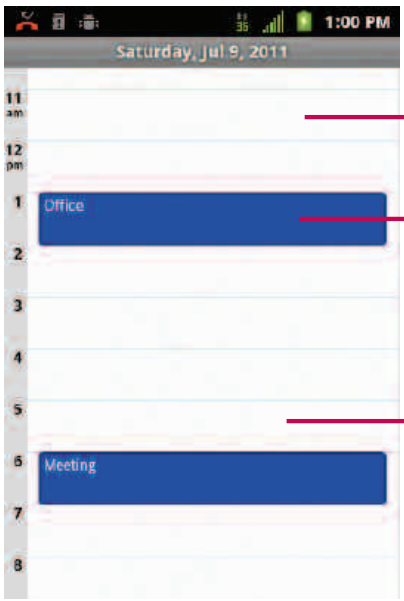
Month view

Note

To go to the current day in any Calendar view, press > Today.

To change your Calendar view:

- Press > **Day, Week, Month, Agenda,** or **Today**. Each view displays the events in your calendar for the period of time that you specify.
- **Day View**

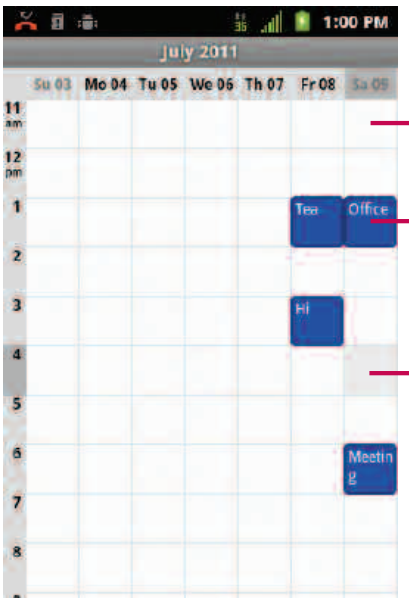


Drag left or right to view earlier or later days.

Tap an event to view its details.

Touch and hold a time slot or an event to create a new event at that time.

Week View



Touch and hold a time slot or an event to create a new event at that time.

Tap an event to view its details.

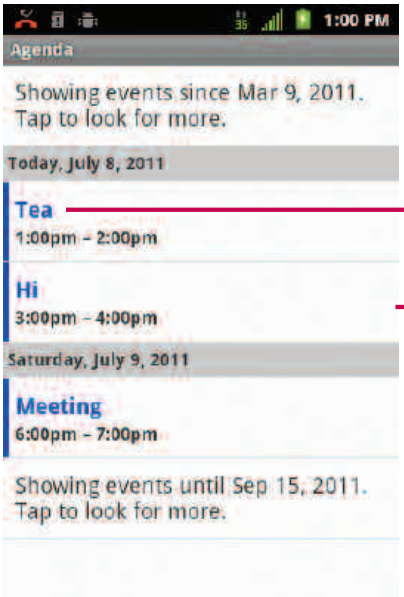
Drag the screen left or right to view previous or future weeks.

Month View

Tap a day to view the events of that day.

Drag the screen up or down to view previous or future months.

- **Agenda View**

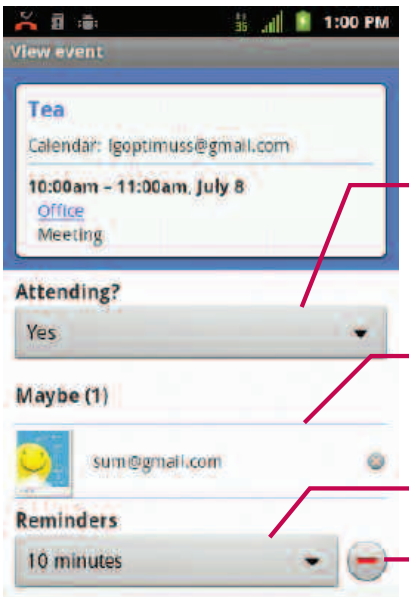


Viewing Event Details

You can view more information about an event in a number of ways, depending on the current view.

To view information about an event:

- In **Agenda**, **Day**, or **Week view**, tap an event to view its details.
- In **Month** view, tap a day to switch to **Day view**. Then tap an event to open the event summary.



Tap to set whether you'll attend this event.

Other attendees' status is shown below yours.

Tap to set reminders.

Tap to set reminders.

Creating an Event

You can use Calendar on your device to create events that appear on your device and in your Google Calendar on the Web.

To create an event:

1. Open the **Calendar**, and press > **More** > **New event**.

- You can also touch and hold a spot in **Day**, **Week**, or **Month view**. In the menu that opens, tap New event to open the **new event** screen with that day and time already entered.

2. Add details about the event.

    - Enter a name, and other optional details about the event,

just as you would on Google Calendar (on the web). If you have more than one calendar, you can choose the calendar to which to add the event. Tap the Plus button to add more reminders.(See Setting an Event Reminder on page 243.)

3. Invite guests to the event.

   - In the field, enter the email addresses of everyone you want to invite to the event. Separate multiple addresses with commas (,). If the people to whom you send invitations use Google Calendar, they'll receive an invitation through their Google Calendar and by email.

4. Press > **Show extra** options to add additional event details.

5. Scroll to the bottom of the screen and tap Done.

   - The event will be added to your Calendar. You can also access and configure the event from Google Calendar on the Web.

Editing or Deleting an Event

You can edit or delete an event that you created on the device or on the Web. You can also edit or delete events created by others, if they have given you permission.

To edit an event:

1. Open Calendar and tap the event to open it. (See Viewing Event Details on page 239.)
2. Press > **Edit event**.
   (For information on how to create or change event information, see Creating an Event on page 240.)
3. Make your changes to the event.
4. Tap Done.

To delete an event:

- From Agenda, Day, or Week view, tap an event to view the event details. Then, press > Delete event. Tap OK to confirm.
- From Day or Week view, touch and hold the event then tap Delete event in the menu that opens. Tap OK to confirm.
- When editing an event, tap the Delete button at the bottom of the screen. Then tap OK to confirm.

Setting an Event Reminder

You can set one or more reminders for an event, whether or not you created the event or have permission to edit its other details.

To set an event reminder:

1. Open **Calendar** and touch the event to open it. (See Viewing Event Details on page 239.)
2. Tap **Add reminder** to add a reminder.
3. Tap the reminder time to display a popup menu and choose your desired setting.
   - At the designated time, you will receive a notification to remind you about the event. (See Responding to an Event Reminder on page 243.)You can also use Google Calendar (on the Web) to configure additional reminders.

To delete an event reminder:

1. Open **Calendar** and tap the event to open it.
2. Tap to remove a reminder.

Responding to an Event Reminder

If you set a reminder for an event, the reminder notification appears in the Status Bar when the reminder time arrives. (See Using the Notifications Panel on page 35.)

To respond to an event reminder:

Note

Press the > Show extra options to add or edit additional event details.

- If you receive notifications in the Status Bar, drag the Notification panel down to your notifications. Tap the event notification to open the list of Calendar notifications.
- Tap an event in the Calendar Notifications list to view more information about that event.
- Tap Snooze all in the Calendar Notifications list to receive the reminder again 5 minutes later.
- Tap **Dismiss all** in the Calendar Notifications list to delete all reminders in the list.
- Press when viewing the Calendar Notifications list to keep the reminders. The reminders will remain in the Status Bar.

Displaying and Synchronizing Calendars

Initially, all calendars that you create or subscribe to through Google Calendar on the Web are also displayed in the Calendar application on your device. You can select which calendars to show or hide on the device, and which to keep synchronized.

You can also control whether any data is synchronized to your device by using the General sync settings in **Settings** > **Accounts & sync**.

(For more information, see Configuring Account Sync and Display Options on page 117.)

Only the calendars that you've created or subscribed to on the Web are shown in the Calendars list.

To show or hide calendars:

1. Press > **More** > **Calendars**.
2. Tap the button to the right of each calendar to show or hide it. If is displayed, the calendar is shown. If is not displayed, the calendar is hidden. The status of the calendar is also displayed in text under the calendar's name.

To stop syncing calendars to your device:

1. Press > **More** > **Calendars**.
2. Tap the button to the right of each calendar stop syncing. If is not displayed, the calendar will not sync. The status of the calendar is also displayed in text under the calendar's name.

To synchronize calendars to your device:

1. Press > **More** > **Calendars**.
2. Tap the button to the right of each calendar to sync it. If is displayed, the calendar will sync. The status of the calendar is also displayed in text under the calendar's name.

Changing Calendar Settings

You can change the settings for how the Calendar application displays events and how it notifies you of upcoming events.

To change Calendar settings:

- Open the **Calendar**, and press > **More**> **Settings**.
  - **Hide declined events**: Allows you to checkmark declined events so that they are not displayed in your calendar

views. Tap to remove the checkmark and display all events in your calendar views.

- **Use home time zone** Allows you to checkmark Use home time zone so that the device displays calendars and event times in your home time zone when traveling.
- Home time zone Opens a dialog where you can set the time zone to use in Calendar when you're traveling, if you have the Use home time zone setting checked.
- **Set alerts and notifications**: Opens a dialog box to configure event reminders. You can select to be alerted, to be notified in the Notification panel, or to turn off notifications. (See Setting an Event Reminder on page 243 and Responding to an Event Reminder on page 247.)
- **Select ringtone**: Allows you to select which ringtone is used for the Calendar event reminders.
- **Vibrate**: Allows you to set event reminders to vibrate.
- **Default reminder time**: Allows you to select the default time set for event reminders.

Folders

Folders allow you to organize other Home screen shortcuts and icons, or folders that contain all your contacts, contacts with phone numbers, or starred contacts. Your folder's contents are kept up to date automatically. Organizing in folders can create space to add more shortcuts, widgets, or applications on the Home screen.

To add a folder to the home screen:

1. Go to the Home screen pane where you want to add a folder. (Swipe the Home screen from left to right or vice versa.)
2. Touch and hold an empty spot on the Home screen pane.
3. Tap **Folders** > **New folder.**

To rename a folder:

1. Tap the folder icon to open it.
2. Touch and hold the folder window's title bar.
3. Enter the new folder name.
4. Tap Done > OK.

To organize items on the home screen in a folder:

- Just drag a shortcut, an icon, or a folder and drop in a folder.

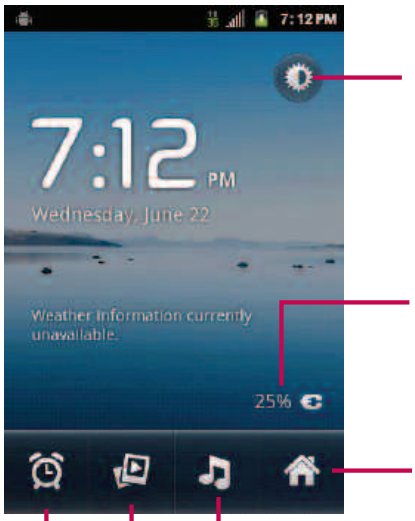
Clock

You can use Clock application to monitor several types of information at once, in addition to the current date and time.

To open the Clock application:

- Press > > Clock.

The Clock application opens with the date and time displayed on your Home screen wallpaper, along with your local weather and other useful information.



Tap to dim the screen.

Displays the battery charge level when the device is plugged into a charger.

Tap to go to the Home screen.

Tap to listen to music.

Tap to view a slideshow.

Tap to set an alarm.

- When the Clock application is running, it switches to screensaver mode after a few minutes. Simply press a device key to wake the phone up again. To return to the Home screen, tap at the bottom of the Clock screen.

To play a slideshow:

You can play a slideshow of the pictures in your Gallery albums from the Clock application.

- Tap at the bottom of the Clock screen.
- Press to end the show.

To play music:

You can play music while the Clock is displayed.

- Tap at the bottom of the Clock screen.

The Music application opens, where you can select music to play. You can return to the Clock application or use another application while the music is playing.

To dim the Clock display:

If you want to use your device as a bedside clock, you can set the screen brightness very low.

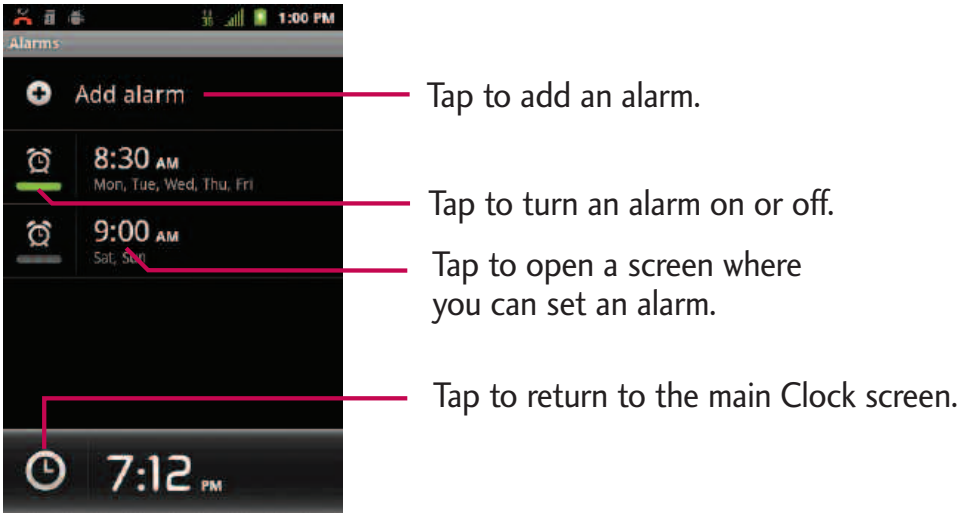
- Tap on the top right of the screen to dim the clock.
- Tap again to restore normal brightness.

Alarms

The Clock application also allows you to set alarms.

To set an alarm:

1. Tap at the bottom of the Clock screen.


1:00 PM
Alarms
Add alarm
8:30 AM
Mon, Tue, Wed, Thu, Fri
9:00 AM
Sat, Sun
7:12 PM
Tap to add an alarm.
Tap to turn an alarm on or off.
Tap to open a screen where you can set an alarm.
Tap to return to the main Clock screen.

2. Tap an existing alarm to change its time and other attributes or tap **Add alarm** to add a new one.
3. Tap Time to set the time of the alarm. You can change the

time by taping the + or -buttons and the AM or PM buttons or tap the hour and minutes fields to enter the time with the keyboard.

4. Tap **Repeat** to set the days when you want the alarm to sound. (If you don't set a repeat, the alarm will only sound on the assigned day.)
5. Tap **Ringtone** to select a ringtone for the alarm. The ringtone plays briefly when you select it.
6. Tap **Vibrate** to have the device vibrate, in addition to playing the ringtone.
7. Tap **Label** to enter a name for the alarm.
8. When you're finished, tap **Done**.
9. Press to return to the main Clock screen.

To change clock alarm settings:

1. Tap at the bottom of the Clock screen.
2. Press > **Settings**.
3. You can set the following options:

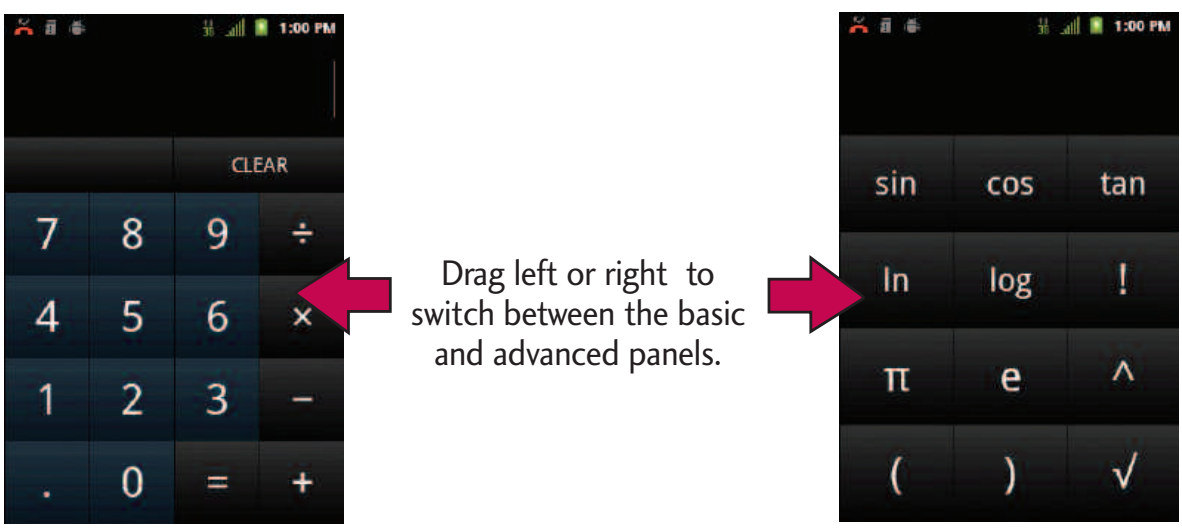
- **Alarm in silent** mode: Tap to place a checkmark and allow your device to play alarms even when it is in Silent mode.
- **Alarm volume**: Allows you to set the volume of alarms.
- **Snooze duration**: Allows you to set how long the Clock waits before playing an alarm again.
- **Side button behaviour**: Allows you to set the desired behavior of the Volume buttons and Camera Key when pressed during an alarm.

Calculator

You can use the Calculator application to solve math problems.

To open and use the Calculator:

1. Press > > **Calculator**.



2. Enter numbers and arithmetic operators on the basic panel.
3. Drag the basic panel to the left to open the advanced panel.
4. Touch and hold the Calculator's display to open a menu where you can copy what you've entered and access other tools.
5. Tap **Clear** to delete the last number or operator you entered. Touch and hold Clear to delete all of the entered information.

LG Mobile Phone Software update via Over-the-Air (OTA)

This feature allows you to update the firmware of your phone to the newer version conveniently via OTA without connecting the USB data cable. This feature is only available if and when LG makes the newer version of the firmware available for your device.

First, you can check the software version on your mobile phone:

- Press > > **Settings** > **About phone** > **Software update** > **Software update check.**

In this case, the application will notify you to update when the time is up. Also you can rearrange or update by manually.

Updating Your Profile

This option allows you to automatically update your online user profile information. If you choose to change your user name and select a new one online, you must then update the user name on your device.

1. Press > **Settings** > **About phone** > **Update Profile** > **System updates** > **Update Profile.**.

2. Follow the onscreen instructions.

Updating Your PRL

This option allows you to download and update the PRL (Preferred Roaming List) automatically.

1. Press > > **Settings** > **About phone** > **System updates** > **Update PRL.**

2. Follow the onscreen instructions.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, Bluetooth-enabled handhelds, computers, printers, and wireless phones. The Bluetooth communication range is usually up to approximately 30 feet

Turning Bluetooth On and Off

By default, your device's Bluetooth feature is set to Off. Turning Bluetooth on makes your device "discoverable" by other in-range Bluetooth devices.

Note

Activating Bluetooth can drain your battery faster and reduce your available usage times. To conserve your device's battery, turn off Bluetooth when not in use. Always turn off your Bluetooth when you are in locations that prohibit its use.

To turn Bluetooth on:

1. Press > > **Settings** > **Wireless & networks.**
2. Tap **Bluetooth** to place a checkmark and activate the feature. When active, appears within the Status Bar.

To turn Bluetooth off:

1. Press > > **Settings** > **Wireless & networks.**
2. Tap **Bluetooth** uncheck and deactivate Bluetooth.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

– Bluetooth is active

– Bluetooth is connected to a Bluetooth device

The Bluetooth Settings Menu

The Bluetooth Settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication
- Setting your device's visibility (or "discoverability") for other Bluetooth devices

To access the Bluetooth Settings menu:

1. Press > > **Settings** > **Wireless & networks.**
2. Tap **Bluetooth** to place a checkmark and activate the feature. When active, appears within the Status Bar.
3. Tap **Bluetooth settings.**

4. Set the following Bluetooth options:

- **Device name**: Change your device's Bluetooth name.
- **Discoverable**: Tap to place a checkmark and make your device visible to other devices for pairing and communication. (A green checkmark will appear.) Tap again to uncheck and make your device invisible.

Note

Your device is visible for up to 120 seconds (2 minutes). This value appears as a countdown within this field.

- **Scan for devices**: If the Bluetooth-compatible device (such as headsets, device, printer, or computer) you want to pair with isn't on the list, make sure the target device is set to be discoverable, then tap Scan for devices to scan again.

Pairing Bluetooth Devices

Paired Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast,

secure connections while bypassing the discovery and authentication process.

To pair your phone with another Bluetooth device:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Discoverable** to place a checkmark and make your device visible. Your device must be visible to successfully pair with an external device.
3. Tap **Scan for devices**. (Your device will display a list of discovered in-range Bluetooth devices.)
4. Tap a device from the list to initiate pairing.
5. Depending on the device, you might have to tap Pair to accept the passkey (if they match on both devices) or enter the passkey or PIN Code.
6. Tap **Done** > **OK** if you entered a passkey or PIN code or passkey.
7. The external device will then have to accept the connection and enter your device's PIN code.

- Once successfully paired to an external device, appears within the Status Bar.

Note

Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

To disconnect a paired device:

Disconnecting a paired device breaks the connection between the device and your LG L45C, but retains the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (under the Bluetooth devices section).
3. Tap **OK** to confirm disconnection.

   – or –

   From the Bluetooth settings page, touch and hold the name of the previously paired device, and select Disconnect.

Note

Disconnections are manually done but often occur automatically if the paired device goes out of range of your LG L45C or if it is powered off.

To delete a paired device (unpair):

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, touch and hold the name of the previously paired device (under the Bluetooth devices section). This opens the connected device's menu options.
3. Tap **Disconnect & Unpair** to confirm deletion.

Sending Items via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, videos, Contacts information, or other items using a Bluetooth connection.

Note

Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible. If no devices are detected, tap Scan devices to begin a new search..

To send contacts information:

1. Press > > **Contacts**.
2. Tap an entry to open its details page.
3. Press > **Share** > **Bluetooth**.
4. Tap a paired device.
   - The external Bluetooth device must be visible and communicating for the pairing to be successful.

To send pictures and/or videos:

1. Press > > **Gallery**.

2. Tap an album to open it and view its contents. (The pictures and videos in the album are displayed in chronological order.)
3. Press twice, then checkmark pictures and/or videos to share.
4. Tap **Share**> **Bluetooth**.
5. Tap a paired device.

- The external Bluetooth device must be visible and communicating for the pairing to be successful.

Disconnecting Bluetooth Connection During an Active Call

- During an active call, where the audio is being routed through a connected Bluetooth device (headset or hands-free connection), tap Bluetooth to route the device's audio through the connected Bluetooth headset (On) or through the speaker (Off).
  - When the call is routed to a Bluetooth headset, the current call area is surrounded by a blue box, the Bluetooth button indicates it's on, and the Bluetooth call icon is displayed in the Status Bar.

- When Bluetooth is turned off, the call is routed through either the earpiece or speaker, the call area is surrounded by a green box, the Bluetooth button indicates it's off, and the **Call** icon is displayed in the Status Bar.

Note
Communication can be toggled between the Bluetooth headset and the device earpiece or speaker by tapping the Bluetooth button On or Off.

microSD Card

Your deviceis equipped with a preinstalled microSD™ (Secure Digital) memory card to expand the device's available memory space. It allows you to store images, videos, music, and voice data in your device.

Your Device's microSD Card and Adapter

Removing the microSD Card

To safely remove the microSD card from your device, first you need to unmount the microSD card.

WARNING: On the Android OS 2.3, you can download applications from Android Market and store them on a microSD card as well as on the device. Due to this feature, if you skip the unmount procedure, it can cause an error because information between the microSD card and the device is accorded properly. In the worst case, the microSD card can be corrupted or damaged.

1. Press > > **Settings** > **Storage** > **Unmount SD** card. Confirm your selection by tapping **OK**. Now you can safely remove the microSD card.
2. Lift off the back cover using the fingertip cutout at the bottom of the cover.
3. Carefully remove the microSD card from the slot.

Note

You can easily damage the microSD card by improper operation. Please be careful when inserting, removing, or handling it.

Inserting the microSD Card

1. Lift off the back cover using the fingertip cutout at the bottom of the cover.
2. Position the microSD card with the label side facing up and slide it into place until it is fully inserted and locked in place.

Note

Be sure to use only recommended microSD cards (up to 32GB). Using non-recommended microSD cards could cause data loss and damage your device.

microSD Icon Indicators

The following icons show your microSD card connection status at a glance:

- microSD card has been unmounted from the device and is safe to remove.

- microSD card is being prepared for use and for mounting.

Note

DO NOT remove a microSD card while files are being accessed or transferred. Doing so will result in loss or damage of data. Make sure your battery is fully charged before using the microSD card. Your data may become damaged or unusable if the battery runs out while using the microSD card.

microSD Adapter

The supplied microSD adapter allows you to use microSD cards in other SD-compatible devices, like computers, cameras, and

printers. Before using the microSD card with an SD-compatible device, you will need to insert the microSD card into the microSD adapter.

To insert the microSD card into the microSD adapter:

- With the label side of the microSD card facing up, insert the card into the supplied microSD adapter, and gently slide the card until it is fully inserted.

To remove the microSD card from the microSD adapter:

- Hold the front edge of the microSD card, and gently pull it out to remove it from the adapter.

Write Protection

The microSD adapter has a built-in Write Protection lock to prevent accidental overwriting or removal of your data when the microSD card and adapter are inserted in another device.

- Slide the Write Protection lock tab down into the “Lock” position to prevent overwriting of data. To allow data to be added or removed from the microSD card, slide the Write Protection lock tab up into the normal position.

microSD Card Settings

Viewing Memory in the microSD Card

1. Press > > **Settings** > **Storage**.

2. Review the available information.

   - The storage capacity page is divided into two sections: **SD card** and **Internal phone storage**.

Formatting the microSD Card

Formatting a microSD card permanently removes all files stored on the card.

1. Press > > **Settings** > **Storage**.

2. Tap **Unmount SD** card and confirm your selection by tapping **OK** to release the microSD card from its use by the device. The icon appears in the Status Bar to indicate an unmounted microSD card.

3. Once unmounted, tap **Erase SD card** > **Erase SD Card** > **Erase everything**.

   - Once completely formatted, you will have to remount the

microSD card in order to use it.

Note

The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved. To prevent the loss of important data, please check the contents before you format the card.

Connecting Your Device to Your Computer

Before using your device's mass storage capabilities, you need to prepare your device's data services to synchronize with your desktop or laptop computer. Once you have connected the device to the computer, you can transfer your data to or from the microSD card.

To connect your device to a computer via USB:

1. Use the USB cable that came with your phone to connect the phone to a USB port on your computer.
2. Open the Notification panel and tap **USB connected**.
3. Select Mass storage and press Done button and OK in the dialog box that opens to confirm that you want to transfer files.

- When the device is connected as USB storage, you receive a notification on your computer.
- You device's microSD card is mounted as a removable drive on your computer. You can now copy files to and from the microSD card. For more information, see the documentation for your computer.
- During this time, you will not be able to access the microSD card in your device, so you can't use applications that rely on the microSD card, such as Camera, Gallery, and Music.

To remove the connection:

WARNING: Carefully follow your computer's instructions to unmount, remove, or disconnect any removable USB devices or disks, to avoid losing information on the microSD card when disconnecting your phone from your computer.

1. On your computer, complete the process to safely Stop, or Remove, the USB device (in this case, the phone). For example, use the Safely Remove Hardware option to Stop the USB Mass Storage Device on Windows® XP.
2. Open the Notification panel (on your device) and tap **Turn off USB storage** to unmount the microSDcard.

Important Connection Information

- To avoid loss of data, DO NOT remove the USB cable, the microSD card, or the battery while accessing or transferring files.
- DO NOT use your computer to change or edit folder or file names on the microSD card, and do not attempt to transfer large amounts of data from the computer to the microSD card. Doing so may cause the microSD card to fail.
- DO NOT turn off or restart your computer, or put it into standby mode, while using a mass storage device. Doing so will result in loss or damage of data.
- The internal microSD card can only be mounted for use by either the device or a connected computer. Prior to accessing the card via a different method, it must first be unmounted from its current device (phone or computer-USB).

Important: The internal microSD card can only share a connection with one device at a time, either your device or your computer (via its USB connection), not both. You cannot browse the contents of the card via your device if they are currently being browsed via your computer.

Safety

For Your Safety

Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to or misuse of the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Before You Start

Safety Instructions

WARNING! To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32˚F or greater than 104˚F, such as outside during extreme weather conditions or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby in adequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone. Turn off your phone in a

medical facility or at a gas station. Never place your phone in a microwave oven as this will cause the battery to explode.

IMPORTANT! Please read the TIA SAFETY INFORMATION before using your phone.

Safety Information

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.

- Do not disassemble this unit. Take it to a qualified service technician when repair work is required.
- Keep away from electrical appliances such as TVs, radios, and personal computers.
- The unit should be kept away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.
- The coating of the phone may be damaged if covered with wrap or vinyl wrapper.
- Use dry cloth to clean the exterior of the unit. (Do not use solvent such as benzene, thinner or alcohol.)
- Do not subject this unit to excessive smoke or dust.
- Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object; otherwise, it may damage the phone.
- Do not expose the phone to liquid or moisture.

- Use the accessories like an earphone cautiously. Do not touch the antenna unnecessarily.

Memory card information and care

- The memory card cannot be used for recording copyright-protected data.
- Keep the memory card out of the small children's reach.
- Do not leave the memory card in extremely hot location.
- Do not disassemble or modify the memory card.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in

violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inches (2cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that may cause undesired operation.

Part 15.19 statement

This device and its accessories comply with part15 of FCC rules. Operation is subject to the following two conditions:

(1) This device & its accessories may not cause harmful interference.

(2) This device & its accessories must accept any interference received, including interference that may cause undesired operation.

Part 15.21 statement

Changes or modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Cautions for Battery

- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725-200x. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.

- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard.
- For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.

Adapter (Charger) Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The adapter or battery charger is intended for indoor use only.

Do not expose the adapter or battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Avoid damage to your hearing

- Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.
- If you are listening to music while out and about, please ensure that the volume is at a

reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

Safety Guidelines

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable telephone is a lowpower radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

* American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone Operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on Efficient Operation

For your phone to operate most efficiently:

- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving - driving safely is your first responsibility;
- Use hands-free operation, if available;

- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6') inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

HAC

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing

aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Health Care Facilities

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a 'blasting areas or in areas posted: 'Turn off two-way radio'. Obey all signs and instructions.

Potentially Explosive Atmosphere

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either installed or portable wireless equipment, in

the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.

Battery Information and Care

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery does not need to be fully discharged before recharging.
- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.
- Keep the battery's metal contacts clean.
- Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- Use of extended backlighting, MEdia Net Browsing, and data connectivity kits affect battery life and talk/standby times.

- The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.

Explosion, Shock, and Fire Hazards

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.
- When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.

General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Center to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Center.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the

software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

- When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- Do not turn your phone on or off when putting it in your ear.

FDA Consumer Update

The U.S. Food and Drug Administration Center for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the Home screen. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such

findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is the FDA's role concerning the safety of wireless phones?

Under the law, the FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace, or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

The FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

The FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

The FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term 'wireless phone' refers here to handheld wireless phones with built-in antennas, often called 'cell', 'mobile', or 'PCS' phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called 'cordless phones,' which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies

that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if

one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do- may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is the FDA doing to find out more about the possible health effects of wireless phone RF?

The FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). The FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues. The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal

Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radio frequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radio frequency energy (RF) exposures. The FCC established these guidelines in consultation with the FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known

to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has the FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers.

The standard, 'Recommended Practice for Determining the Spatial- Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques,' sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissuesimulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used

to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you

want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late

2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a 'compatible' phone and a 'compatible' hearing aid at the same time. This standard was approved by the IEEE in 2000. The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

FDA web page on wireless phones

(http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures / HomeBusinessandEntertainment / CellPhones/default.htm)

Federal Communications Commission (FCC) RF Safety Program

(http://www.fcc.gov/oet/rfsafety)

International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)

World Health Organization (WHO) International EMF Project

(http://www.who.int/peh-emf/)

National Radiological Protection Board (UK)

(http://www.hpa.org.uk/radiation/)

10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When operating a car, driving is your first responsibility.

When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.

3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.

4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an Address Book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to

dial while driving, follow this simple tip— dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations — with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle. You know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website www.ctia.org.

Consumer Information on SAR (Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The

standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.

* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for LG Arena phone when tested for use at the ear is 0.91 W/kg and when worn on the body, as described in this user's manual, is 0.45 W/kg. (Body-worn measurements differ among phones models, depending upon available accessories and FCC

requirements.) While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID ZNFL45C.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at http://www.ctia.org

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Hearing Aid Compatibility (HAC) with Mobile Phones

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants),users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate. The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box. The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth® components must be disabled during a call.

Accessories

There are a variety of accessories available for your mobile phone. Consult your local dealer for availability. Optional items are sold separately.

Battery Charger

The battery charger allows you to charge your phone.

Battery

Standard battery is available.

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